USER GUIDE · VERSION 1.00 · METATRADER 5

CRYSTAL TIMELESS PRO

Trade pure price. Not time.

TradingView-clean Renko bricks, the full Smart-Money market structure mapped on every brick, no-repaint Buy/Sell signals, a premium live dashboard and a drag-and-drop risk planner — one indicator, one chart, zero noise.



Product Crystal Timeless Pro for MetaTrader 5

Publisher Crystal AI Systems

Covers Bricks · Structure · Signals · Dashboard · Risk Tool · Every setting

MQL5 mql5.com/en/users/jawadtrader22

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> **IF YOU ONLY HAVE TEN MINUTES**
>
> Read **Chapter 2** to set it up, **Chapter 4** to read the chart, **Chapter 14** to pick settings for your symbol and **Chapter 15** for a ready preset. Everything else is there when you need it.

CHAPTER 01

Welcome — why price beats time

A candle closes because a clock said so. A brick prints because the market actually moved.

Every standard chart in MetaTrader prints a new candle on a timer. A dead Asian hour and an explosive New York open produce exactly one candle each — the chart gives them the same width, the same weight, the same importance. That is **noise disguised as information**, and most traders spend years learning to look through it.

Crystal Timeless Pro removes the clock. A new brick is printed only when price travels a full, fixed distance. If the market sleeps for two hours, nothing is printed. If it rips in one minute, you get three or four bricks. What is left on your chart is the pure skeleton of the move — and on that clean skeleton the indicator maps the full institutional market structure, brick by brick.

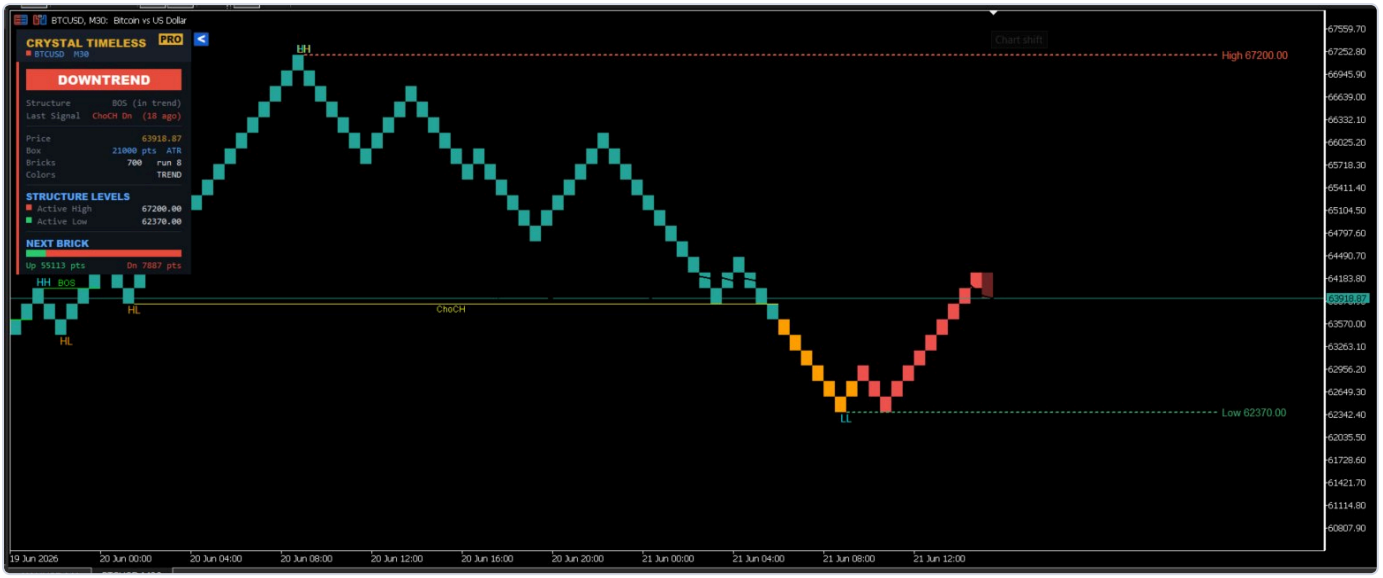


Figure 1.1 — Crystal Timeless Pro on BTCUSD M30: trend-coloured bricks, HH / HL / LL labels, BOS and ChoCH lines, the Active High / Low extension lines and the PRO dashboard.

The six layers on your chart

Layer	What you see	Why it matters
1. Renko bricks	A 45° staircase of equal-size bricks	Only real movement is drawn, sideways chop disappears
2. Market structure	HH, HL, LH, LL labels on swing bricks	You see the trend's skeleton without drawing a single line
3. BOS / ChoCH	Break lines with labels	Continuation and change-of-character events, marked the moment they happen
4. Active levels	Dashed High / Low extension lines with prices	The two levels that decide the next break
5. Signals	Buy / Sell arrows + push + iCustom buffers	No-repaint entries on closed bricks
6. Command centre	Dashboard + Risk Tool	Trend, levels and exact lot size at a glance

What it is — and what it is not

Crystal Timeless Pro IS	Crystal Timeless Pro is NOT
A complete price-action workstation: Renko + structure + signals + risk	An Expert Advisor — it never opens or closes trades
A no-repaint tool: arrows are fixed once printed	A crystal ball — no tool removes market risk
Universal: any symbol, any timeframe, auto box size	A replacement for your own judgement and risk management
A signal source your own EA can read through buffers	A time-based candle indicator (time is deliberately removed)

Who it is built for

- **Smart-Money / ICT traders** who already think in HH, HL, BOS and ChoCH and want them mapped automatically on a cleaner chart.
- **Trend followers** who want to stay in moves without being shaken out by every candle wick.
- **Scalpers on Gold, indices and crypto** who need structure on the fastest charts without the noise.
- **EA developers** who want a clean, non-repainting structure signal to build on.
- **Disciplined traders** who want the lot size calculated for them before every single trade.

Highlights at a glance

Clean
Close-based bricks, no double or whipsaw bricks

Honest
Signals only on committed bricks — zero repaint

Universal
Auto box adapts to every symbol and timeframe

Complete
Structure, signals, alerts, dashboard, risk planner

> **KEY POINT**
> The single biggest edge of this indicator is that structure is detected **after** the noise is removed. Most structure tools label every wick on a time chart; Crystal Timeless Pro labels swings on clean bricks, so the HH / HL / BOS / ChoCH you see are fewer, cleaner and far easier to act on.

Free version vs PRO

Feature	Crystal Timeless (free)	Crystal Timeless PRO
Renko brick engine	Yes	Yes — close-based, TradingView-clean
Auto / Points / Pips box	Yes	Yes
HH / HL / LH / LL + BOS / ChoCH	—	Yes
Trend colour mode (teal / orange / red)	—	Yes
Active High / Low extension lines	—	Yes
No-repaint Buy / Sell signals + buffers	—	Yes
Alerts and push notifications	—	Yes
Premium dashboard + one-click controls	Basic panel	Yes
Drag-and-drop Risk Tool	—	Yes

CHAPTER 02

Installation and first run

From purchase to a working chart in under five minutes.

Installing from the MQL5 Market

1. Open MetaTrader 5 and log in to the MQL5 account you used to buy the product (Tools → Options → Community).
2. Open the **Market** tab in the Toolbox, go to **Purchased** and click **Install** next to Crystal Timeless Pro.
3. The indicator appears in the Navigator under **Indicators → Market**.
4. Drag it onto any chart. Leave all inputs at default for the first run and click **OK**.

The five-minute setup

Step	Do this	Why
1	Open a fresh chart of the symbol you trade (for example XAUUSD M5)	A clean chart avoids conflicts with other indicators' objects
2	Attach the indicator with defaults	Defaults are tuned to work on every symbol
3	Check the dashboard: Box shows a value with `ATR`	Confirms the auto box measured the symbol's volatility
4	Pick the signal mode with the button under the dashboard	CONTINUATION (default) or REVERSAL
5	Enable push notifications if you want them on your phone	Input `Push notification = true` plus your MetaQuotes ID in MT5

What you will see on the first load

- The normal candles are hidden and replaced by bricks (**Hide real candles**, **Clean look**).
- Bricks are coloured by structure: **teal** uptrend, **orange** ChoCH phase, **red** downtrend.
- HH / HL / LH / LL labels, BOS / ChoCH lines and the dashed Active High / Low lines are drawn.
- The dashboard sits top-left with the signal and Risk Tool buttons directly under it.
- Space is reserved on the right of the chart (**Chart shift**) so the extension labels are readable.

> **NOTE**
> The bricks are built from history first (up to **History bars to seed** source bars). On a symbol you have never opened, MetaTrader may still be downloading history — give it a few seconds or scroll the chart back once, and the bricks appear.

Terminal settings worth checking

Where	Setting	Needed for
Tools → Options → Notifications	Enable push notifications + your MetaQuotes ID	Signals on your phone
Tools → Options → Charts	Max bars in chart: 10,000 or more	Enough history for long structure
Chart right-click → Properties	Nothing required — the indicator restores your chart on removal	—

Removing the indicator cleanly

Remove it from the chart (right-click → Indicators List → Delete). Every object it created — bricks, labels, lines, dashboard, buttons and the risk box — is deleted, and the chart's original look (candles, grid, volumes, colours, scale) is restored automatically.

Changing timeframe or symbol

Switching timeframe rebuilds the bricks for the new timeframe. Your dashboard visibility and your signal mode (Continuation / Reversal) are **remembered per chart** and survive the switch. A Risk Tool box is a planning drawing and is cleared on rebuild — drop a new one with one click.

Using it on many charts

Each chart runs its own independent copy with its own settings, its own dashboard state and its own signal mode. A common layout is two charts of the same symbol: a larger box for bias and a smaller box for entries (see Chapter 16).

Strategy Tester (visual mode)

Crystal Timeless Pro runs fully in the visual Strategy Tester, including bricks, structure, arrows, dashboard and the Risk Tool, so you can study how it behaved in past sessions. In the tester the bricks are drawn in front of the chart and the price scale is managed automatically; the Ask line is hidden for a cleaner view.

> **WARNING**
>
> MetaTrader does not deliver push notifications or pop-up alerts from the Strategy Tester. This is a platform rule, not a fault. Signals are still drawn and still written to the tester journal.

> **KEY POINT**
>
> Save your favourite configuration as a template (chart right-click → Templates → Save) and every new chart opens with Crystal Timeless Pro ready in one click.

CHAPTER 03

How the bricks form

Understanding the brick is understanding the whole indicator.

A Renko brick has one fixed height, called the **box**. A new brick is added only when price has moved a full box beyond the last brick. Time plays no role: a brick can take ten seconds or ten hours to form. Figure 3.1 shows the same price history drawn both ways — the noise on the left simply does not exist on the right.



Figure 3.1 — The same price path drawn as time candles and as Crystal Timeless Pro bricks (computed from one simulated price series).

Step by step: from price to brick

Picture horizontal lines one box apart. Every time price closes across the next line in the trend direction, one brick is printed. If price wanders between two lines for hours, nothing is printed. If it jumps three lines at once, three bricks are printed in a row.

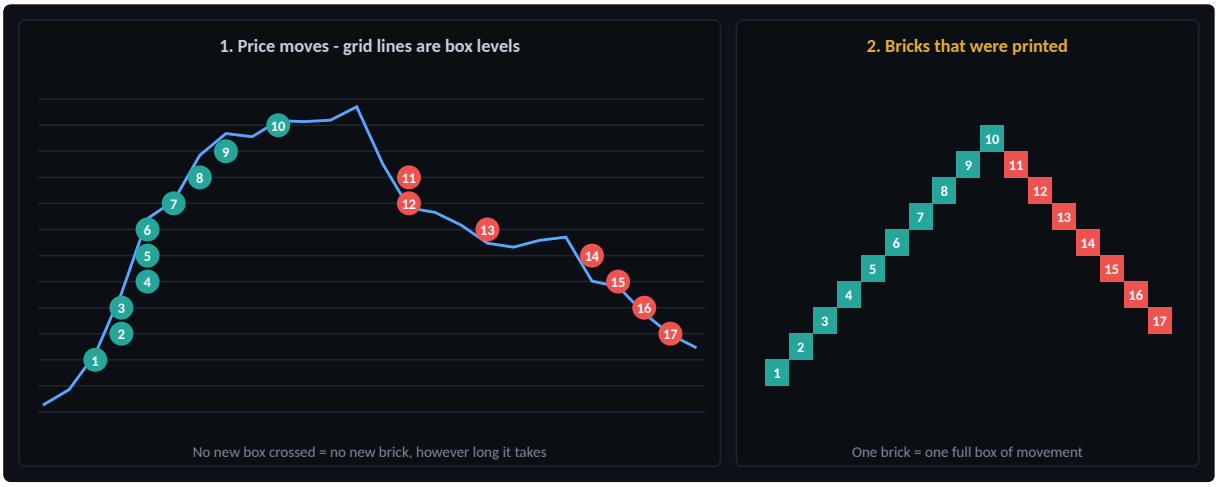


Figure 3.2 — Left: price (blue) crossing box levels — each numbered dot is a brick being printed. Right: the resulting bricks with the same numbers.

The reversal rule

Continuing the trend needs one box of movement. Turning around needs more — by default **two boxes** against the trend (**Reversal boxes = 2**, the classic TradingView setting). This is what filters small pullbacks out of the chart: a pullback of one box simply never appears.

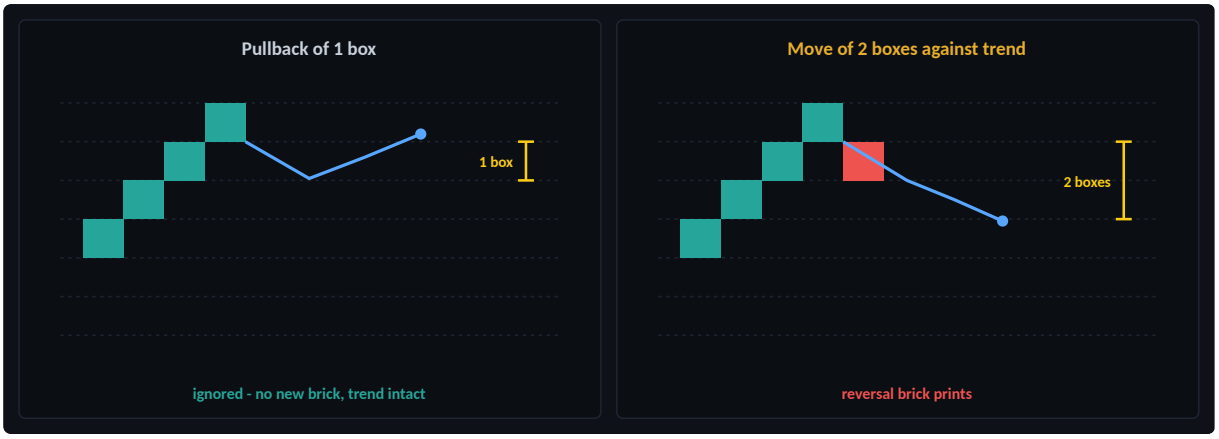


Figure 3.3 — A one-box pullback is ignored (left). Only a two-box move against the trend prints a reversal brick (right).

The forming brick

With **Show forming brick** on, the brick that is still being built is drawn live at the right edge, growing and shrinking with price. When price completes the box, the brick is **committed**: it becomes final and never changes again. Signals are only ever evaluated on committed bricks.



Figure 3.4 — Committed bricks are final. The forming brick is a live preview and never carries a signal.

Why the time axis looks unusual

Bricks are placed one per bar slot from the right edge, so the dates under the chart no longer mean “one bar = one period”. A busy hour may hold ten bricks and a quiet afternoon none. Read the chart by bricks, not by time — that is the whole point.

Box size: the most important choice

The box decides how much movement the chart ignores. A small box shows every swing; a large box shows only the major trend. Figure 3.5 draws one price history with three box sizes. By default the box is measured automatically from the symbol's recent volatility (**AUTO** mode) and rounded to a clean number, so it suits Gold, EURUSD, NASDAQ or Bitcoin with no typing.

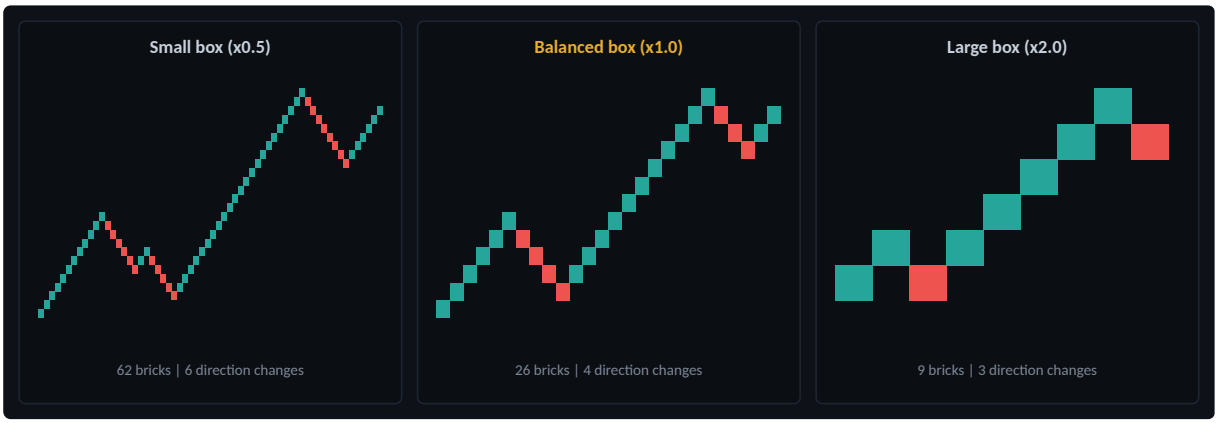


Figure 3.5 — One price path, three box sizes. Smaller boxes show more swings and more signals; larger boxes show fewer, stronger moves.

Box	Chart looks	Signals	Best for
Smaller (multiplier 0.5–0.8)	Detailed, many swings	More frequent, more noise	Scalping, active sessions

Box	Chart looks	Signals	Best for
Balanced (1.0, default)	Clean staircase	Balanced	Most traders, most symbols
Larger (1.5–3.0)	Major legs only	Fewer, stronger	Swing trading, trend bias charts

Price source: why our bricks look like TradingView

Bricks are built from the **close** of each completed bar by default, exactly like TradingView's traditional Renko. Intrabar spikes are ignored, which removes the “double brick” and whipsaw effect many MT5 Renko tools suffer from. The reactive **High/Low** source is available for traders who want every spike to count.



Figure 3.6 — Same price, two sources. CLOSE (default) gives the clean staircase; HIGH/LOW reacts to every spike.

> **KEY POINT**
>
> If your bricks look different from a TradingView chart, match three things: the same box size, Reversal = 2 and Price source = CLOSE. Small remaining differences come from the broker's own price feed — two data feeds are never tick-identical.

CHAPTER 04

Market structure on bricks

The Smart-Money map, drawn automatically on the cleanest possible chart.

Market structure describes a trend by its swing points. In an uptrend each high is higher than the last (**HH**) and each pullback low is higher than the last (**HL**). A downtrend prints lower highs (**LH**) and lower lows (**LL**). Crystal Timeless Pro finds these swings on the bricks and labels them for you.

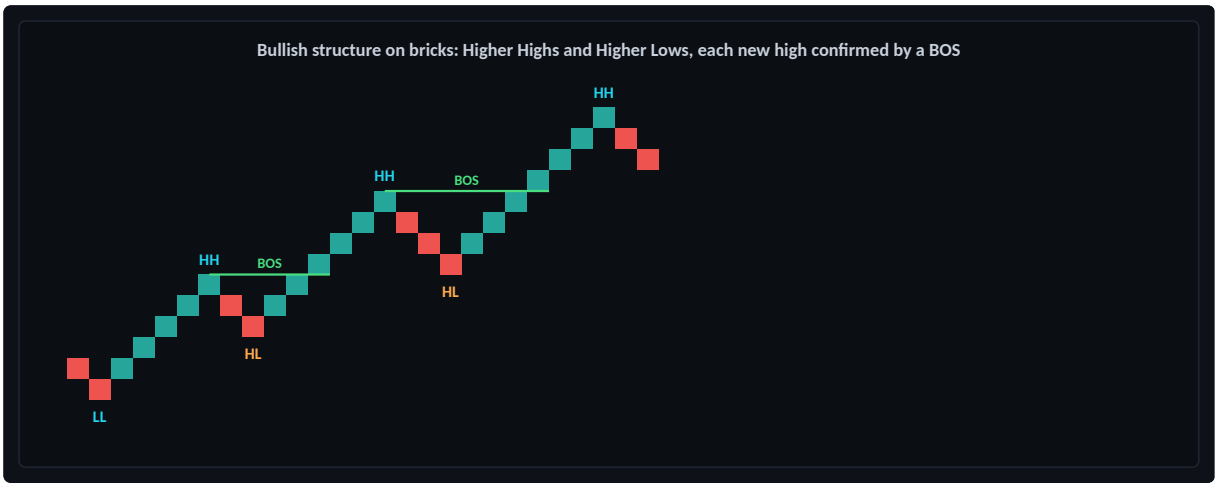


Figure 4.1 — A bullish leg: swing labels on the bricks, each new high confirmed by a BOS line.

Label	Colour (default)	Meaning
HH	Aqua	Higher High — the trend made a new high
HL	Orange	Higher Low — the pullback held above the last low
LH	Orange	Lower High — the bounce failed below the last high
LL	Aqua	Lower Low — the trend made a new low
T.HL / T.LH	Silver	Temporary swing (2-step mapping only) — not yet a protected level
BOS	Lime (bull) / Red (bear)	Break of Structure — trend continues
ChoCH	Yellow	Change of Character — the protected swing broke the other way

BOS vs ChoCH — the two events that matter

A **BOS** happens when a brick closes beyond the active swing *in the direction of the trend*. It confirms the trend is alive. A **ChoCH** happens when a brick closes beyond the protected swing *against* the trend. It is the first warning that control may be changing hands.

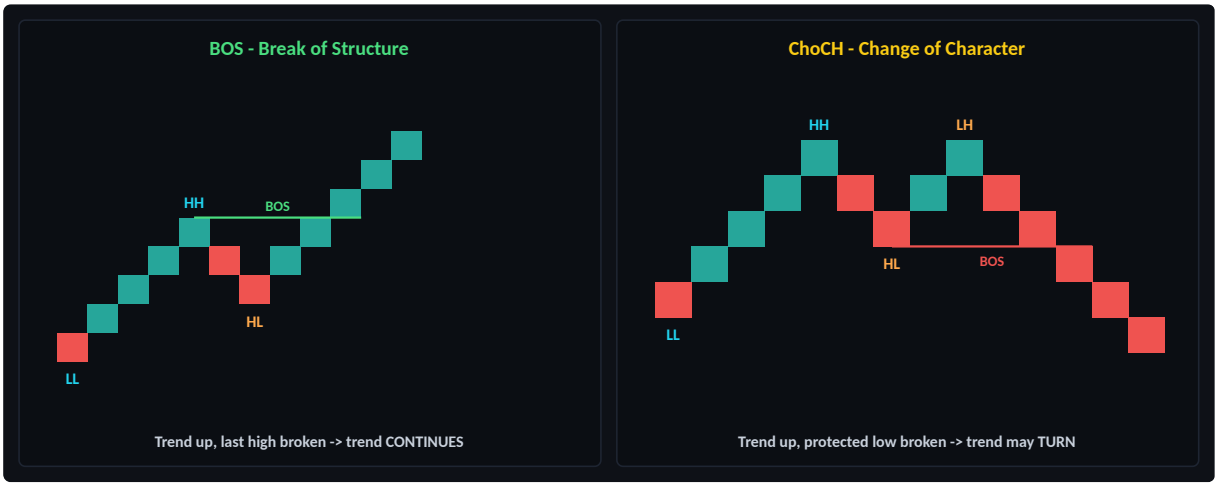


Figure 4.2 — BOS confirms the trend (left). ChoCH breaks the protected low of an uptrend and warns of a possible turn (right).

Trend colour mode

With **Brick color mode = TREND** (default) every brick is coloured by the structural state, not by its own direction. A small down-brick inside an uptrend stays teal, because the uptrend is still intact. After a ChoCH the bricks turn orange until a BOS confirms the new direction.

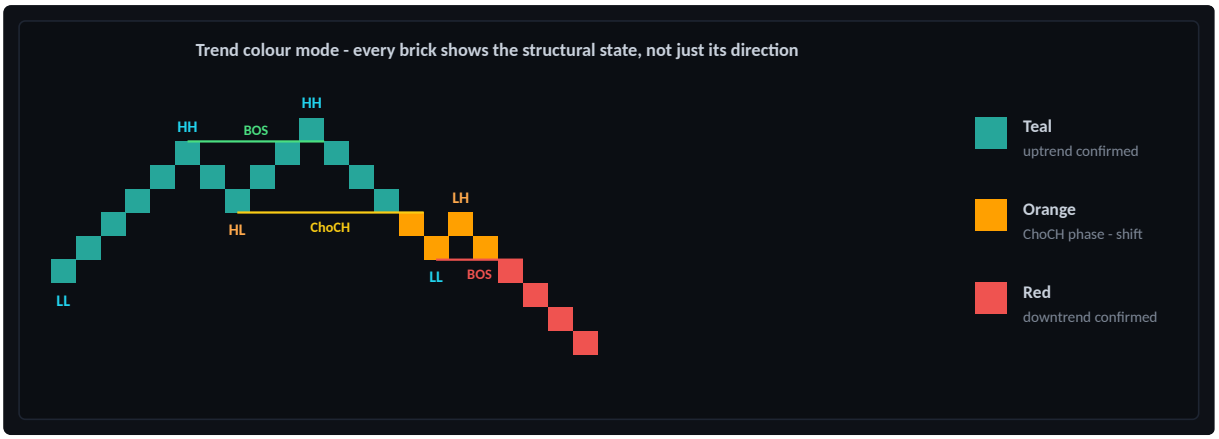


Figure 4.3 — Teal while the uptrend holds, orange after the ChoCH, red once the downtrend is confirmed by a BOS.

> **NOTE**
>
> Prefer classic two-colour bricks? Set **Brick color mode = STANDARD**. Up bricks use the bull colour, down bricks the bear colour, and the structure labels stay exactly the same.

Active High and Active Low

At any moment there are two levels that matter: the **Active High** and the **Active Low**. A close above the Active High is a bullish break; a close below the Active Low is a bearish break. They are projected to the right as dashed lines with their exact prices, and repeated in the dashboard.



Figure 4.4 — The extension lines show the two levels that decide the next BOS or ChoCH.

Confirmation rules you can choose

Two inputs control how strict the structure engine is. **Pullback mode** decides when a pullback is accepted as a real swing. **BOS mapping** decides whether the first swing after a ChoCH is trusted at once or treated as temporary.

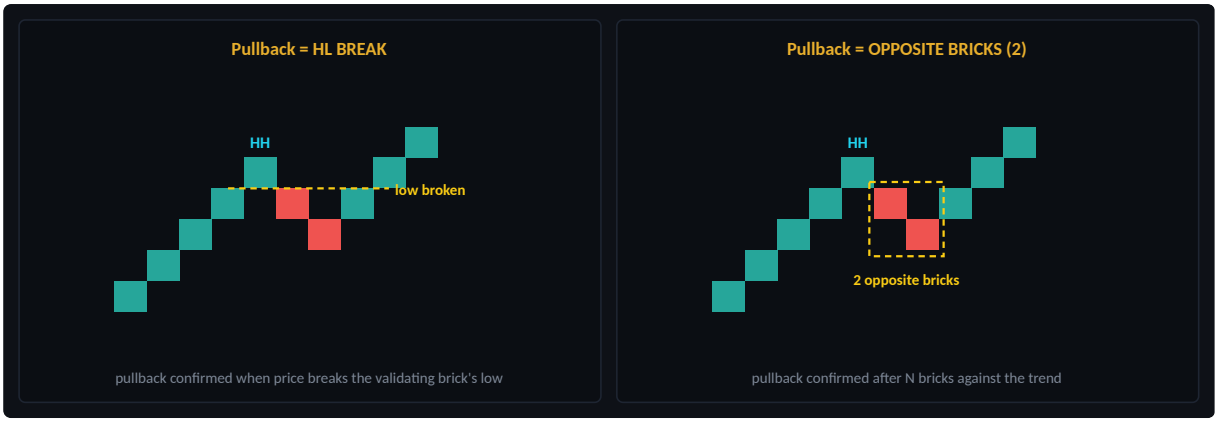


Figure 4.5 — HL BREAK accepts a pullback once a brick breaks the validating low; OPPOSITE BRICKS needs a set number of counter-trend bricks.

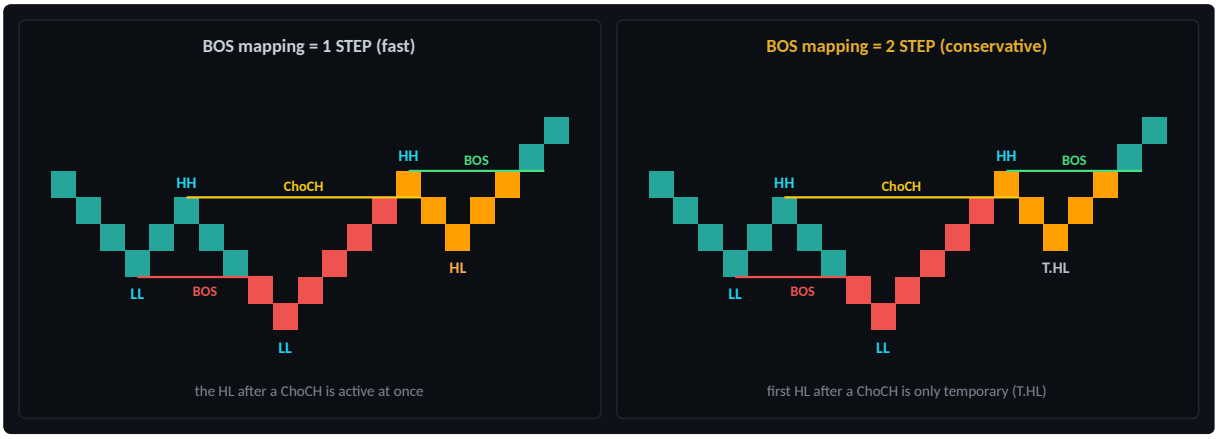


Figure 4.6 — 1-STEP marks the first HL after a ChoCH as active immediately. 2-STEP marks it T.HL (temporary) and waits for confirmation.

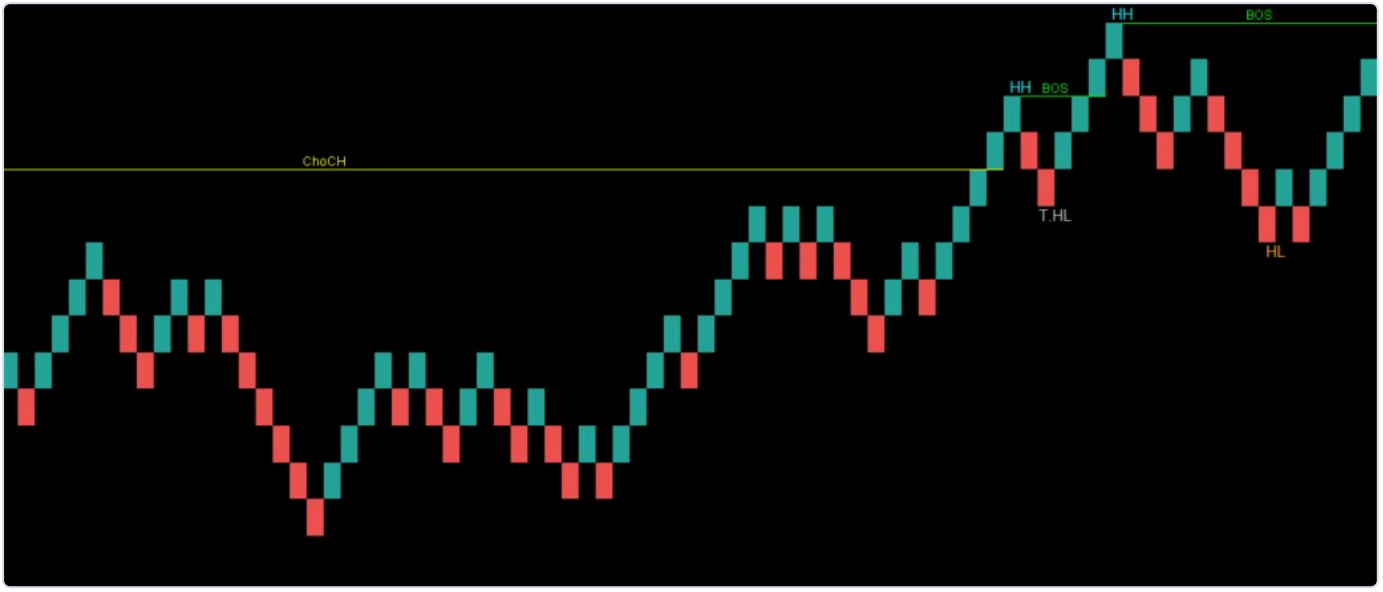


Figure 4.7 — Real chart: HH, BOS, a temporary T.HL and the confirmed HL, with a ChoCH line further back. Structure labels sit exactly on the swing bricks.

> **KEY POINT**
>
> Structure on bricks is **slower to flip** than structure on candles, by design. A one-candle wick through a level is not a break here — a full brick has to close beyond it. Fewer false ChoCH, fewer fake-outs.

CHAPTER 05

Signals and alerts

Arrows that are printed once, on a finished brick, and never move again.

Crystal Timeless Pro turns structure events into Buy and Sell signals. You choose which event fires the signal with one click on the button under the dashboard. The choice is remembered per chart.

Mode	Buy arrow on	Sell arrow on	Character
CONTINUATION (default)	Bullish BOS	Bearish BOS	Trade with the trend, after it proves itself
REVERSAL	Bullish ChoCH	Bearish ChoCH	Catch the turn early, counter-trend



Figure 5.1 — The same bricks in both modes. Continuation fires on BOS; Reversal fires on ChoCH.

No repaint — how it is guaranteed

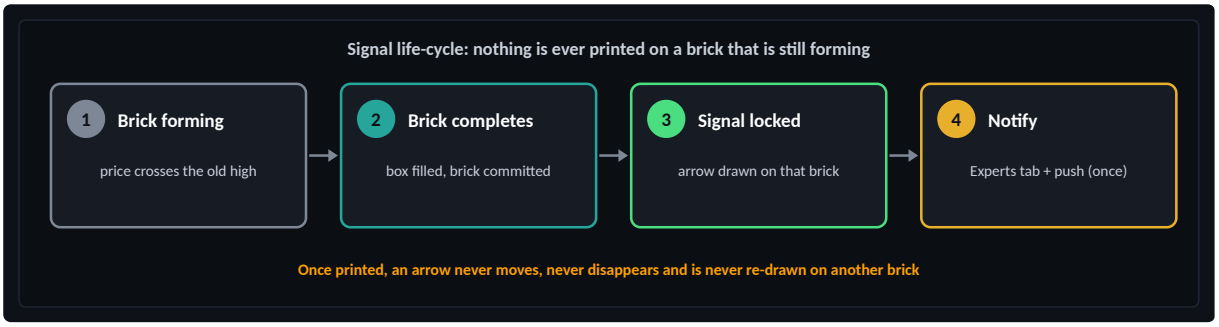


Figure 5.2 — The four stages of every signal.

A signal is decided only when a brick is committed. The live forming brick is never evaluated. Once an arrow is printed, the brick under it is final, so the arrow can never move, vanish or jump to another brick. Arrows are placed just below the brick for Buy and just above it for Sell (**Arrow gap**).

When exactly does a signal appear?

With the default **Price source = CLOSE**, bricks are committed when the source bar closes. On an M5 chart, a break that happens at 10:02 is confirmed when the 10:05 bar closes. This short wait is the price of a clean, TradingView-identical brick. If you want faster confirmation, set **Source TF = M1** on your M5 chart: bricks then commit on every M1 close.

Notifications

Every new signal writes one line to the **Experts** tab and, if **Push notification** is on, sends the same line to your phone. It is sent once per signal, only for the newest brick — never for history.

```
Crystal Timeless Pro | XAUUSD | M5 | BUY SIGNAL | BOS | Entry 4194.86 | SL ref 4182.56 | 2026.06.20 14:30
```

Field	Meaning
XAUUSD | M5	Symbol and chart timeframe
BUY SIGNAL / SELL SIGNAL	Direction
BOS / ChoCH	Which structure event fired it (Continuation = BOS, Reversal = ChoCH)
Entry	Close of the signal brick
SL ref	Structural invalidation level (the opposite active swing) — a logical stop reference
Time	Server time the brick was committed

Structure alerts (optional)

Independently of signals you can be alerted on every BOS and/or every ChoCH with **Alert on BOS** and **Alert on ChoCH**. These use the MT5 pop-up (**Popup alert**) and/or push.

Environment	Arrows	Experts log	Pop-up	Push
Live chart	Yes	Yes	Yes (structure alerts)	Yes
Visual Strategy Tester	Yes	Journal	No (MT5 rule)	No (MT5 rule)
Non-visual tester / EA via iCustom	Buffers	—	No	No

For EA developers: the signal buffers

Buffer	Content
0	Buy signal — price of the arrow, `0` when there is no signal on that slot
1	Sell signal — price of the arrow, `0` when there is no signal on that slot
2, 3	Internal (price-scale helpers) — ignore

Bricks are laid out one per bar slot from the right edge, so buffer shift `k` is the k-th brick from the newest. With **Show forming brick = true** the forming brick sits at shift 0 and the newest **committed** brick — the only one that can carry a fresh signal — is at shift 1. Because the same brick can stay at shift 1 across several bars, remember the last signal you acted on.

```
// Read Crystal Timeless Pro signals from your own EA
int hCTP = INVALID_HANDLE;

int OnInit()
{
   // Market products live in Indicators\Market. No parameters = indicator defaults.
   hCTP = iCustom(_Symbol, _Period, "Market\\Crystal Timeless Pro");
   return (hCTP == INVALID_HANDLE) ? INIT_FAILED : INIT_SUCCEEDED;
}

void OnDeinit(const int reason) { IndicatorRelease(hCTP); }

void OnTick()
{
   static double lastSig = 0;
   double buy[1], sell[1];
   if(CopyBuffer(hCTP, 0, 1, 1, buy)  != 1) return;   // buffer 0 = Buy
   if(CopyBuffer(hCTP, 1, 1, 1, sell) != 1) return;   // buffer 1 = Sell

   double sig = (buy[0] != 0.0) ? buy[0] : sell[0];
   if(sig == 0.0 || sig == lastSig) return;           // nothing new
   lastSig = sig;                                     // act once per signal

   if(buy[0]  != 0.0) Print("CTP BUY  signal");
   if(sell[0] != 0.0) Print("CTP SELL signal");
}
```

WARNING

Call iCustom with **no parameters** (indicator defaults) or only with numeric/enum values in the exact input order. Never pass a `bool` value through iCustom in MQL5: it is 1 byte while int/enum are 4 bytes, and every following parameter is shifted. If you need different settings, save them as the indicator's defaults through a template instead.

CHAPTER 06

The dashboard

Your entire edge in one premium panel.

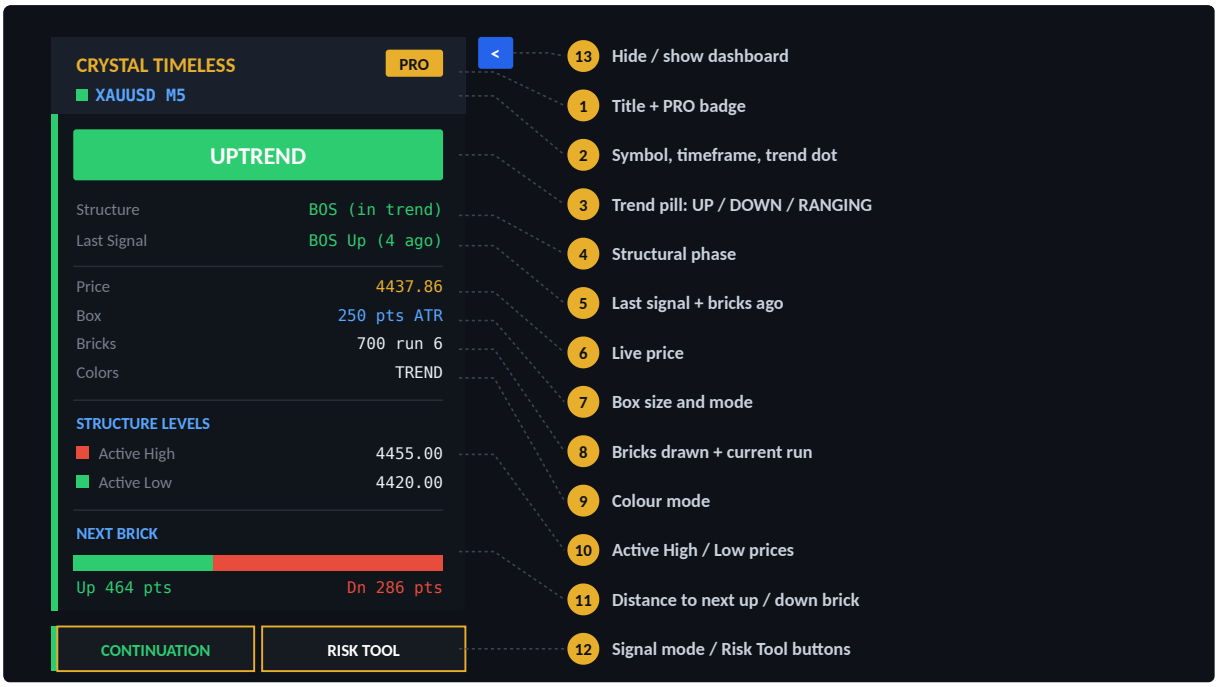


Figure 6.1 — Every element of the dashboard, numbered.

The left spine of the panel changes colour with the trend: green, red or grey. The arrow button to the right of the panel (`<` / `>`) hides or shows the dashboard and both buttons; the choice is remembered when you change timeframe.

Every field decoded

#	Field	Shows	How to use it
1	Title + PRO	Product name	—
2	Symbol / TF	Symbol, chart timeframe, trend dot	Confirms which chart you are reading
3	Trend pill	UPTREND DOWNTREND RANGING	Your bias at a glance. RANGING = no structure confirmed yet
4	Structure	`BOS (in trend)`, `ChoCH (shift)` or `building`	Orange text = ChoCH phase: be careful with trend trades
5	Last Signal	e.g. `BOS Up (4 ago)`	How fresh the last signal is, in bricks
6	Price	Live bid	—
7	Box	Box in points + mode (ATR / PTS / PIPS)	Check that the auto box suits your style
8	Bricks / run	Bricks drawn and current run length	Long runs = strong one-way move
9	Colors	TREND or STD	Current colour mode
10	Active High / Low	Exact prices of the two structure levels	Natural targets and invalidation
11	Next Brick	Points to the next up / down brick + balance bar	Bigger green = closer to an up brick
12	Buttons	Signal mode + Risk Tool	One-click control (below)
13	Hide / show	Toggle	Clear the chart for screenshots

Structure phase states

State	Means	Typical action
BOS (in trend) green	Last event was a bullish BOS	Look for longs on pullbacks
BOS (in trend) red	Last event was a bearish BOS	Look for shorts on pullbacks
ChoCH (shift)	Character changed, new trend not yet confirmed	Stand aside or wait for the first BOS
building	Not enough structure yet	Wait

The control buttons

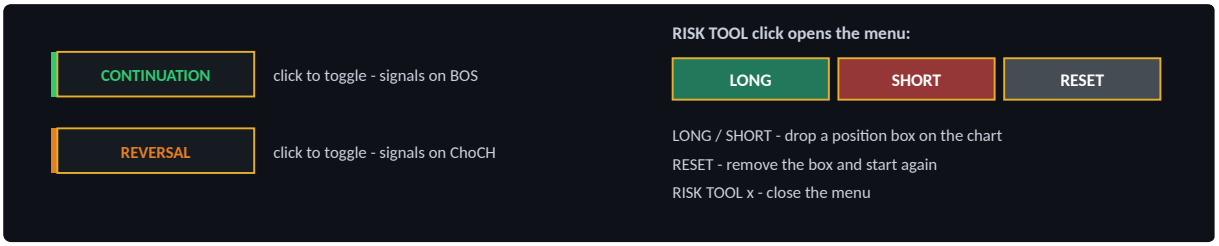


Figure 6.2 — Signal mode toggle and the Risk Tool menu.

The two buttons share one row under the dashboard, both framed in gold. The signal button shows the current mode in its colour (green CONTINUATION, orange REVERSAL); a click switches mode and redraws all arrows instantly. The RISK TOOL button opens LONG / SHORT / RESET underneath.

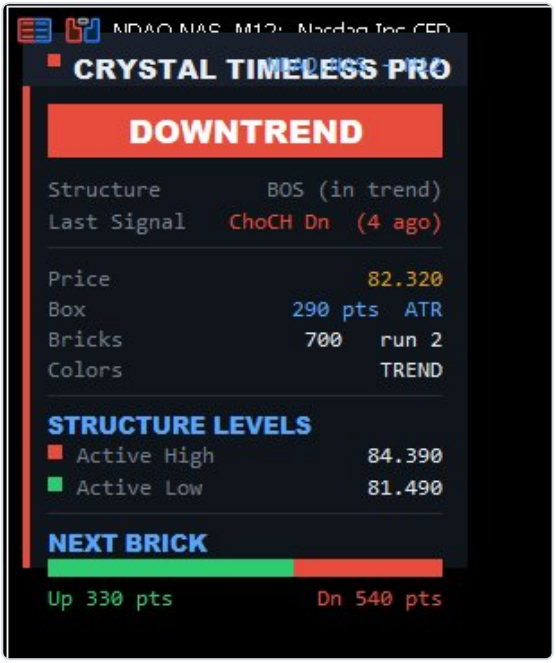


Figure 6.3 — The PRO dashboard live on a stock CFD (Nasdaq Inc., M12): DOWNTREND, ChoCH as last signal, active levels and next-brick distances.

CHAPTER 07

The Risk Tool

Know your risk before you click buy — drag, drop, done.

The Risk Tool is a TradingView-style position planner drawn directly on your Renko chart. Drop a LONG or SHORT box, drag the stop and the target to the structure, and the tool shows the pips, the money at risk, the potential reward, the reward-to-risk ratio and — most importantly — **the exact lot size**.

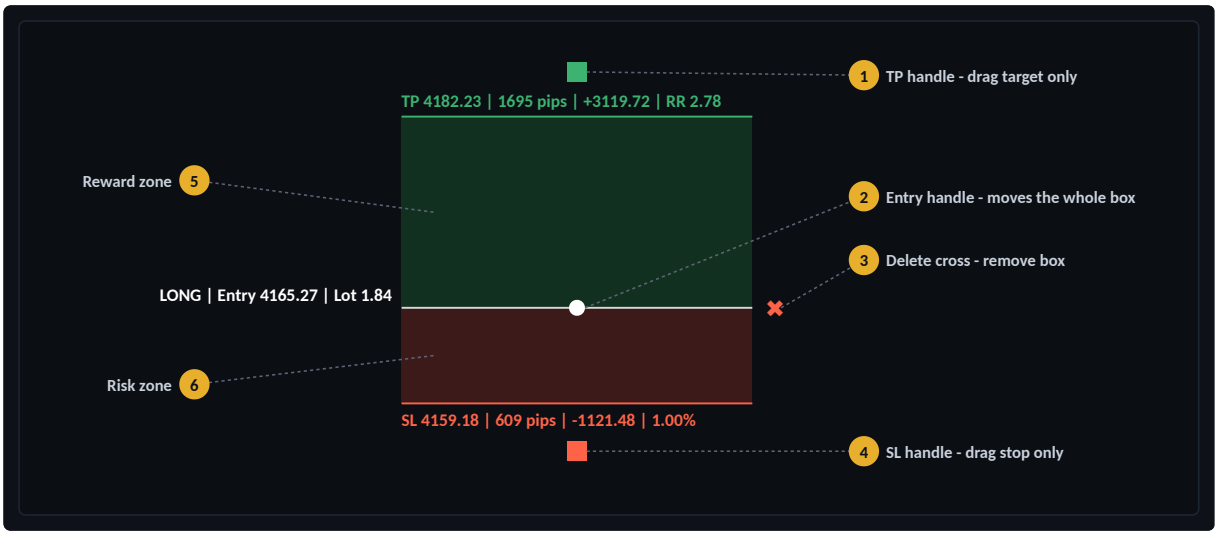


Figure 7.1 — Anatomy of the position box (LONG).

Using it in five steps

1. Click **RISK TOOL**, then **LONG** or **SHORT**. A box appears at the current price with a default stop of 3 boxes and target of 6 boxes (RR 2).
2. Drag the **white circle** to place the entry — it moves the whole box, up, down, left or right.
3. Drag the **red square** to your stop — for example just beyond the Active Low or the last HL.
4. Drag the **green square** to your target — for example the Active High or the next structure level.
5. Read the lot on the entry badge and type it into your order ticket. Click the red cross or RESET to clear.

Two risk modes

Mode	You fix	The tool calculates	Best for
Percent Equity (default)	Risk % per trade (e.g. 1%)	**Lot size** for the stop you drag	Consistent risk on every trade
Fixed Lot	Lot size (e.g. 0.10)	Money at risk, risk %, reward	Traders who always trade the same size

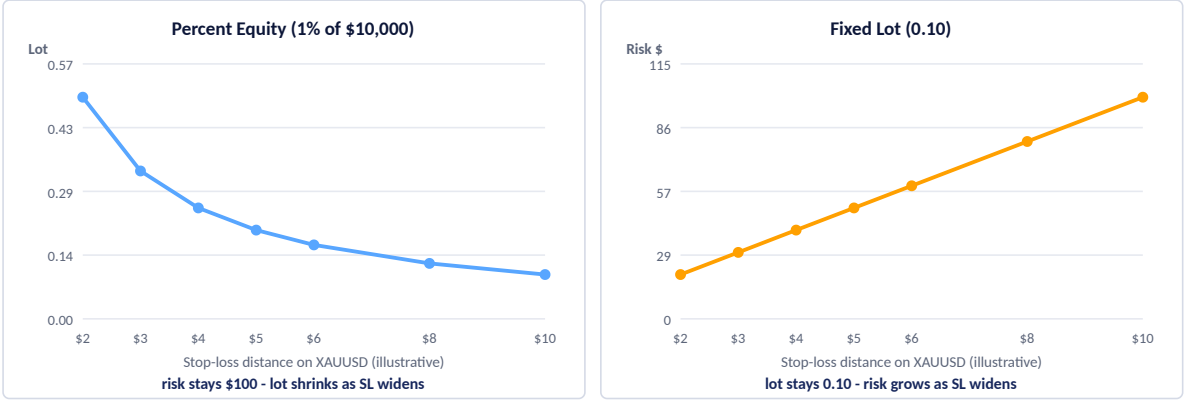


Figure 7.2 — In Percent Equity mode the money at risk stays constant and the lot adapts; in Fixed Lot mode the lot stays constant and the risk changes (illustrative values).

Reading the badges

Badge	Example	Meaning
TP	`TP 4182.23 | 1695 pips | +3119.72 | RR 2.78`	Target price, distance, money reward, reward-to-risk
Entry	`LONG | Entry 4165.27 | Lot 1.84`	Direction, entry price, lot to trade
SL	`SL 4159.18 | 609 pips | -1121.48 | 1.00%`	Stop price, distance, money risk, % of account

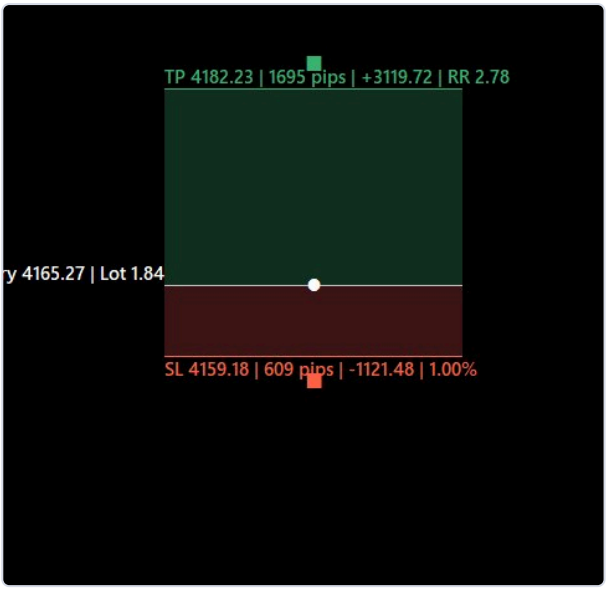


Figure 7.3 — The Risk Tool live: Percent Equity mode at 1% risk, RR 2.78, lot calculated automatically.

Good to know

- Money values use your account currency and the symbol's real contract data from the broker.
- The lot is rounded to the broker's lot step and kept within the minimum and maximum volume.
- **Use equity** = true sizes on equity (includes floating P/L); false sizes on balance.
- While you drag a handle, chart scrolling is paused so the chart does not move under your mouse.
- Stop and target can never cross to the wrong side of the entry.

> **WARNING**
>
> The Risk Tool is a calculator and planner. An indicator cannot place orders in MetaTrader 5. Always check the lot in your order ticket before sending, especially on symbols with unusual contract sizes (indices, crypto, stocks).

> **KEY POINT**
>
> Combine the tool with structure: stop just beyond the protected swing (HL for longs, LH for shorts), target at or before the opposite Active level. If the RR is below 1.5, the trade is usually not worth taking — wait for a better pullback.

CHAPTER 08

Settings: Box Mode

How big each brick is. The most important group of inputs.

Setting	Default	What it does
Box mode	AUTO_ATR	How the brick size is decided
ATR period	14	Volatility lookback used by AUTO mode
ATR multiplier	1.0	Scales the auto box up or down
Manual box size	100	Fixed size used by POINTS or PIPS mode

Box mode

default: AUTO_ATR

AUTO measures the symbol's average range on the source timeframe when the indicator loads, then rounds it to a clean number (for example 250 points, 500 points, 2600 points). The box then stays fixed for the whole session so every brick is identical. Reloading or changing timeframe measures again.

Value	Effect	When to use it
AUTO_ATR	Box follows each symbol's own volatility	Default. Best for most traders and for many symbols at once
POINTS	Box = Manual box size × one point	You want an exact, repeatable box (e.g. Gold 300 points)
PIPS	Box = Manual box size × one pip (10 points on 5/3-digit symbols)	Forex traders who think in pips

ATR period

default: 14 AUTO mode only

How many source bars the volatility measurement averages. Only used in AUTO mode.

Value	Effect	When to use it
5–10	Box reacts to the most recent volatility	News days, very fast markets
14	Balanced	Default
20–50	Box reflects a longer, steadier average	Swing traders who want a stable box

ATR multiplier

default: 1.0 AUTO mode only

The quickest way to make bricks bigger or smaller without leaving AUTO mode.

Value	Effect	When to use it
0.5–0.8	Smaller bricks, more swings and signals	Scalping in active sessions
1.0	Balanced staircase	Default, intraday
1.5–2.0	Bigger bricks, fewer and stronger swings	Swing trading, noisy symbols
2.5–3.0	Only the major legs	Higher-timeframe bias chart

Manual box size

default: 100 POINTS / PIPS modes only

The fixed box in points (POINTS mode) or pips (PIPS mode). On EURUSD (5 digits) 100 points = 10 pips; on most Gold feeds (2 digits) 100 points = $1.00.

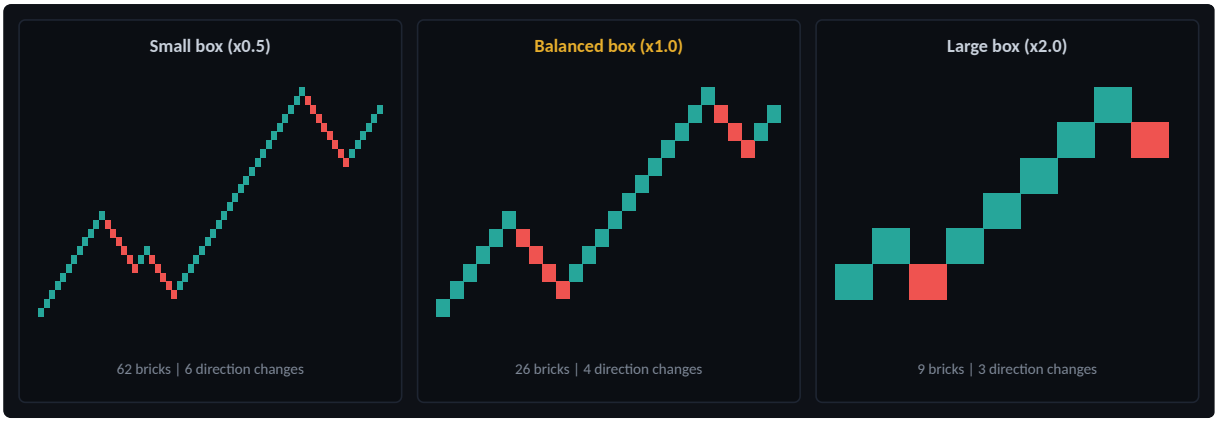


Figure 8.1 — ATR multiplier 0.5, 1.0 and 2.0 on the same price history.

> **KEY POINT**
>
> Keep the box at least **5–10 times the spread**. If the box is barely bigger than the spread, every brick is half spread and the structure becomes unreliable.

CHAPTER 09

Settings: Brick Logic

How bricks are built and confirmed.

Setting	Default	What it does
Price source	CLOSE	Which price builds the bricks
Reversal boxes	2.0	How far price must travel against the trend to reverse
Show forming brick	true	Draw the live, unfinished brick
Source TF	CURRENT	Which timeframe's bars feed the bricks

Price source default: CLOSE

CLOSE builds bricks from each completed bar's close, like TradingView. HIGH/LOW reacts to price live, tick by tick.

Value	Effect	When to use it
CLOSE	Clean staircase, no intrabar whipsaw bricks. Bricks commit on bar close	Recommended for everyone
HIGH/LOW	Faster, every spike can print a brick, more noise	Very fast scalping where every tick counts

Reversal boxes default: 2.0

The distance, in boxes, that price must move against the current direction before a reversal brick prints.

Value	Effect	When to use it
1.0	Every 1-box pullback prints — very sensitive	Rarely useful; very choppy
2.0	Classic Renko — one-box pullbacks are filtered	Default, matches TradingView
3.0	Only deep pullbacks reverse the chart	Strong trends, swing holding



Figure 9.1 — Reversal 1, 2 and 3 on the same price history: higher values filter more pullbacks.

Show forming brick default: true

Shows the brick that is still being built. It never carries a signal. Turn it off for a chart that only shows final bricks.

Value	Effect	When to use it
true	Live feedback of the developing move	Most traders
false	Only committed bricks are visible	Screenshots, purists

Source TF default: CURRENT

CURRENT uses the chart's own timeframe. Choosing a lower timeframe (for example M1 on an M5 chart) makes bricks commit more often and the auto box is measured on that timeframe.

Value	Effect	When to use it
CURRENT	Box and timing follow the chart	Default
M1	Bricks commit every minute; finest detail	Faster signals on M5–M15 charts
Higher than chart	Slower commits, bigger auto box	Rarely needed

> **NOTE**
>
> History depth is **History bars to seed** bars of the source timeframe. 5,000 M1 bars is about three and a half trading days; 5,000 M5 bars is about three and a half weeks. Raise it if you need more history.

CHAPTER 10

Settings: Market Structure

How swings are found and breaks are classified.

Setting	Default	What it does
Show structure	true	Draw HH / HL / LH / LL, BOS and ChoCH
Brick color mode	TREND	Colour bricks by trend state or by direction
Pullback mode	HL_BREAK	How a pullback is confirmed as a swing
Opposite bricks	2	Bricks needed in OPPOSITE mode
BOS mapping	1_STEP	Fast or conservative swing mapping after a ChoCH
Structure lookback	1000	How many bricks the structure engine scans
Structure label font	9	Size of the labels

Brick color mode default: TREND

Value	Effect	When to use it
TREND	Teal uptrend, orange ChoCH phase, red downtrend	Default — read the state instantly
STANDARD	Bull colour for up bricks, bear colour for down bricks	Classic Renko look

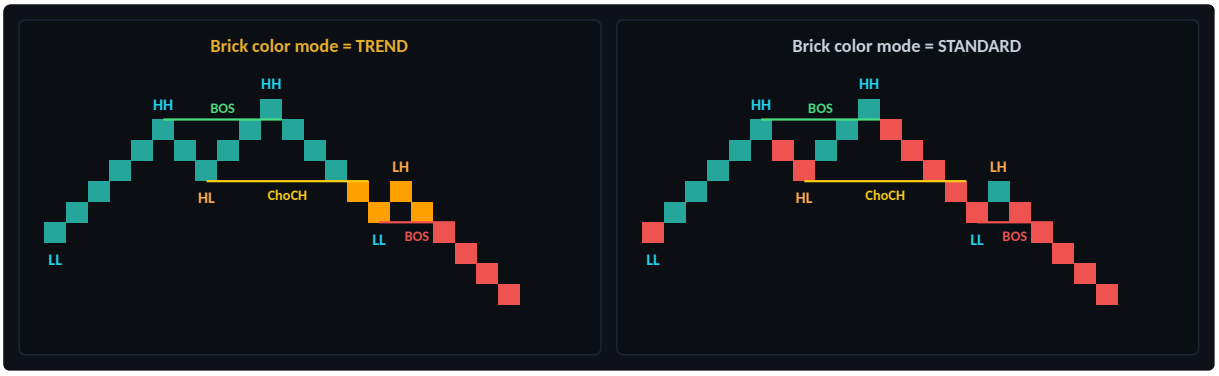


Figure 10.1 — The same bricks and structure in TREND and STANDARD colour mode.

Pullback mode default: HL_BREAK

Value	Effect	When to use it
HL_BREAK	A pullback is accepted when a brick breaks the validating brick's extreme	Default, balanced
OPPOSITE	A pullback is accepted after N opposite bricks	When you want to tune swing depth precisely

Opposite bricks default: 2 OPPOSITE mode only

Value	Effect	When to use it
1	Every opposite brick can create a swing — many labels	Very small boxes only
2	Balanced	Default
3–4	Only deep pullbacks become swings	Cleaner, swing-trading structure

BOS mapping default: 1_STEP

Value	Effect	When to use it
1_STEP (Fast)	The first HL/LH after a ChoCH is active at once	Earlier signals
2_STEP (Conservative)	It is shown as T.HL / T.LH until confirmed	Fewer false continuations after a turn

Structure lookback default: 1000

Value	Effect	When to use it
300–500	Faster, only recent structure	Many charts open, slower PC
1000	Balanced	Default
2000+	Longer structure history	Studying older swings

Structure colours

Setting	Default	Used for
Trend UP color	Teal	Bricks in a confirmed uptrend (TREND mode)
Trend DOWN color	Red	Bricks in a confirmed downtrend (TREND mode)
ChoCH phase color	Orange	Bricks after a ChoCH until the first BOS
HH / LL label color	Aqua	Labels of trend-extending swings
HL / LH label color	Orange	Labels of pullback swings
BOS line (bullish)	Lime	Bullish break lines
BOS line (bearish)	Red	Bearish break lines
ChoCH line color	Yellow	Change-of-character lines
Temp HL/LH color	Silver	Temporary labels in 2-step mapping

> **KEY POINT**
>
> On a white chart background, change the label colours to darker tones (navy, dark orange) and set the Trend colours to deeper green and red — the defaults are tuned for dark charts.

Active Level Extension

Setting	Default	What it does
Show extension lines	true	Project the Active High / Low to the right
Extension length	20	How many bars to the right the lines extend
Extension line style	DASH	Line style
Extension line width	2	Line thickness
Show level price labels	true	Print `High 4455.00` / `Low 4420.00`
High / Low extension color	Tomato / Sea green	Line and label colours

> **NOTE**
>
> Extension lines need empty space to the right of the last brick. That is why **Chart shift** is on by default (Chapter 11). If the labels are cut off, raise **Chart shift size** or **Extension length**.

CHAPTER 11

Settings: Display and Dashboard

How the chart looks.

Setting	Default	What it does
Standard bull / bear color	Teal / Red	Brick colours in STANDARD colour mode
Brick width	1.0	Width of each brick inside its slot
Max bricks to draw	700	How many bricks are drawn
Hide real candles	true	Hide the time candles under the bricks
Clean look	true	Hide grid, volumes and period separators
Auto-fit vertical scale	true	Fit the price scale to the visible bricks
Chart shift	true	Reserve empty space on the right
Chart shift size	25	Size of that space in % (10–50)
Show dashboard	true	Master switch for the panel and its buttons

Brick width default: 1.0

Value	Effect	When to use it
1.0	Seamless staircase, bricks touch	Default, TradingView look
0.6–0.9	Small gap between bricks	Easier to count bricks

Max bricks to draw default: 700

Every brick is a chart object, so this is the main performance lever.

Value	Effect	When to use it
300–500	Lighter, faster	Many charts, VPS, older PC
700	Balanced	Default
1000–2000	More history on screen	Analysis on a single chart

Auto-fit vertical scale default: true

Value	Effect	When to use it
true	Scale always fits the bricks; no flat bricks	Default
false	You control the scale yourself	Manual zooming

Chart shift / Chart shift size default: true / 25

Value	Effect	When to use it
10–15	Small right margin	Small screens
25	Room for extension labels and the Risk Tool box	Default
35–50	Large planning area	Risk Tool planning, wide monitors

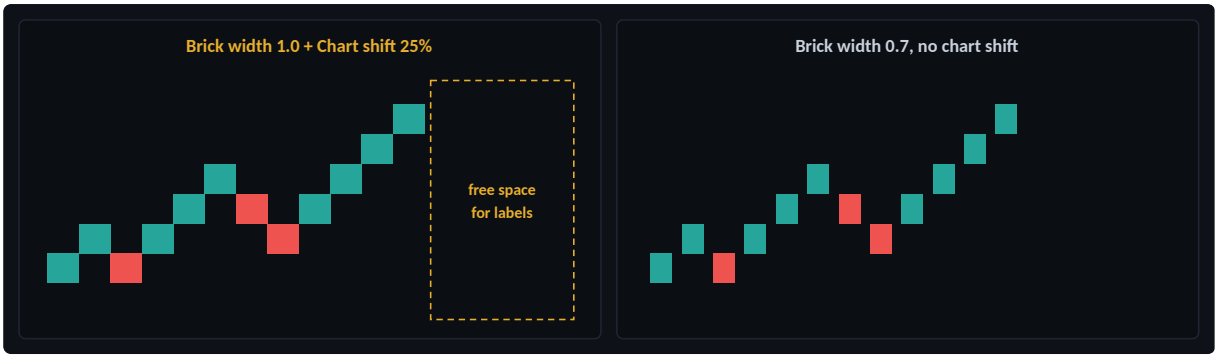


Figure 11.1 — Brick width and chart shift: seamless bricks with room for labels (left) vs gapped bricks with no right margin (right).

> **NOTE**
>
> Everything the indicator changes on the chart (candles hidden, grid, volumes, scale, shift) is restored automatically when you remove it.

CHAPTER 12

Settings: Signals and Alerts

What fires, how it looks and how you hear about it.

Setting	Default	What it does
Enable signals	true	Turn arrows and the mode button on or off
Default direction	CONTINUATION	Starting mode for a new chart
Buy arrow color	Lime	Colour of Buy arrows
Sell arrow color	Red	Colour of Sell arrows
Arrow gap	0.8	Distance of the arrow from the brick, in boxes
Buffer info 0 / 1 / 2	info text	Read-only reminder of the buffer layout

Default direction default: CONTINUATION

Only the starting value. Once you press the button, the chart remembers your choice, even after a timeframe change.

Value	Effect	When to use it
CONTINUATION	Arrows on BOS	Trend traders, beginners, most symbols
REVERSAL	Arrows on ChoCH	Experienced counter-trend traders, ranges

Arrow gap default: 0.8

Value	Effect	When to use it
0.3–0.5	Arrow hugs the brick	Small screens
0.8	Clear of the brick	Default
1.2–2.0	Far from the brick	When labels and arrows overlap

Alerts

Setting	Default	What it does
Alert on BOS	false	Alert every BOS (independent of signal mode)
Alert on ChoCH	false	Alert every ChoCH (independent of signal mode)
Popup alert	true	Use the MT5 pop-up window for BOS / ChoCH alerts
Push notification	false	Send signals and enabled structure alerts to your phone

You want	Set
Only Buy/Sell signals on the phone	Push = true, Alert on BOS = false, Alert on ChoCH = false
Every structure event on screen	Alert on BOS = true, Alert on ChoCH = true, Popup = true
Warning of trend changes only	Alert on ChoCH = true, Push = true
Silent chart	All alerts false (signals still print to the Experts tab)

WARNING

Push only works when the terminal is running. For notifications 24/5 run MetaTrader on a VPS (Chapter 21) with your MetaQuotes ID set under Tools → Options → Notifications.

CHAPTER 13

Settings: Risk Tool and Engine

The planner's defaults and the engine's history depth.

Setting	Default	What it does
Show risk tool button	true	Show the RISK TOOL button under the dashboard
Risk mode	PERCENT_EQUITY	Percent Equity or Fixed Lot
Fixed lot	0.10	Lot used in Fixed Lot mode
Risk percent	1.0	Risk per trade in Percent Equity mode
Use equity	true	Size on equity (true) or balance (false)
Default SL distance	3.0 boxes	Initial stop distance of a new box
Default TP distance	6.0 boxes	Initial target distance (RR 2 by default)
Position box width	30 bars	Width of the box on the chart
SL / TP zone fill	Dark red / dark green	Zone colours
SL / TP line color	Tomato / Sea green	Line and badge colours
History bars to seed	5000	Source bars used to build the initial bricks

Risk percent

default: 1.0 Percent Equity mode

Value	Effect	When to use it
0.25–0.5	Very conservative	Prop-firm challenges, new strategies
1.0	Standard professional risk	Default
2.0+	Aggressive	Only with a proven edge — drawdowns grow fast

Default SL / TP distance

default: 3 / 6 boxes

Value	Effect	When to use it
2 / 4	Tight box, RR 2	Scalping
3 / 6	Balanced, RR 2	Default
4 / 12	Wide box, RR 3	Swing trading

History bars to seed

default: 5000

Value	Effect	When to use it
2000–3000	Faster start, less history	Many charts, VPS
5000	Balanced	Default
10000+	Long history (needs Max bars in chart high enough)	Research

KEY POINT

For prop-firm accounts many traders set **Use equity = false** and **Risk percent = 0.5**, so each loss stays small compared with typical daily-loss limits. Always check your firm's own rules.

CHAPTER 14

Symbol playbook

Best starting settings for the markets people trade most.

The auto box already adapts to every symbol, so the table below is about **fine-tuning**: which timeframe, how much to scale the box and which sessions give the cleanest structure. Box values are what the dashboard typically shows at normal volatility — they move with the market.

Symbol	Chart TF	Box setting	Typical auto box	Best sessions	Notes
XAUUSD (Gold)	M1–M15	AUTO ×1.0 (M1–M5) / ×1.5 (M15)	about $2 (M1), $4–6 (M5)	London + New York	Fast; Source TF M1 on M5 is excellent. Avoid the first minutes of big news
EURUSD, GBPUSD	M5–H1	AUTO ×1.0	4–10 pips	London, NY overlap	Very clean structure; Continuation mode works best
USDJPY, GBPJPY	M5–M30	AUTO ×1.2–1.5	8–20 pips	Tokyo + London	GBPJPY is wild — larger multiplier filters spikes
NAS100, US30, GER40	M1–M15	AUTO ×1.0–1.5	15–40 index points (M5)	Cash open +2 h	Huge open moves; trend colours shine here
BTCUSD, ETHUSD	M5–H1	AUTO ×1.0–2.0	about $25 (M1), $70 (M5)	24/7, best with US hours	Weekends are thin: raise the multiplier
XTIUSD / USOIL	M5–M30	AUTO ×1.2	about $0.10–0.20 (M5)	NY session, inventory days	Respect the weekly inventory report
Stocks / stock CFDs	M15–H4	AUTO ×1.0	auto	Exchange hours only	Gaps at the open are drawn as several bricks

> **WARNING**
> The values above are starting points, not promises. Volatility changes every week. Always look at the dashboard's Box value and the chart itself before trading a new symbol, and test on demo first.

Gold (XAUUSD) in detail

- **Scalping:** M1 chart, AUTO ×1.0, Continuation. Trade BOS arrows in the direction of the M15 trend pill.
- **Intraday:** M5 chart with **Source TF = M1**. Clean bricks with quick commits.
- **Before news** (CPI, NFP, FOMC): the auto box was measured on calmer bars. Reload the indicator after the release or use ×1.5 for the session.

Forex majors in detail

- Use **Box mode = PIPS** if you want identical bricks across pairs: 5 pips for M5, 10 pips for M15–M30, 20 pips for H1.
- The Asian session on EUR and GBP pairs is often a range — expect ChoCH after ChoCH. Wait for London.

Indices in detail

- The first 30–60 minutes after the cash open produce the strongest runs of the day. Trend-colour mode makes them obvious.
- Contract sizes differ widely between brokers. Always confirm the Risk Tool lot against a small test order.

Crypto in detail

- Bitcoin moves in big impulses: ×1.5 on M5 removes most of the chop between them.
- On weekends liquidity drops and spreads widen; raise the multiplier or stand aside.

Session map

Session (server time varies by broker)	Most active	What to expect on the bricks
Asia (Tokyo)	JPY pairs, AUD, Gold early	Smaller ranges, frequent ChoCH on EUR/GBP
London	EUR, GBP, CHF, Gold	First real trend of the day, clean BOS sequences
London / NY overlap	Everything, especially Gold and USD pairs	Strongest runs, longest brick runs
New York	Indices, Oil, USD, Crypto	Index open impulses, news-driven moves

KEY POINT

Two quick health checks before trading any symbol: (1) the auto box should be clearly larger than the spread, and (2) the chart should show a readable staircase, not single bricks flipping back and forth. If it flips constantly, raise the multiplier until it does not.

CHAPTER 15

Recommended presets

Start from a named preset instead of fifty inputs.

Preset A — Scalper

Gold, indices and crypto on M1–M5.

Setting	Value	Reason
Chart TF / Source TF	M1 / CURRENT (or M5 / M1)	Fast commits, fine detail
Box mode / ATR multiplier	AUTO_ATR / 1.0	Adapts to session volatility
Reversal boxes	2.0	Filters one-box noise
Pullback / BOS mapping	HL_BREAK / 1_STEP	Earliest confirmed signals
Signal direction	CONTINUATION	Scalp with the micro trend
Risk percent / SL-TP boxes	0.5 / 2 – 4	Many trades, small risk each

Preset B — Intraday trend

Forex majors and Gold on M5–M30.

Setting	Value	Reason
Chart TF	M5 – M30	Balanced signal frequency
Box mode / ATR multiplier	AUTO_ATR / 1.0 – 1.2	Clean staircase
Pullback / BOS mapping	HL_BREAK / 1_STEP	Default engine
Signal direction	CONTINUATION	Trade BOS after pullbacks
Risk percent / SL-TP boxes	1.0 / 3 – 6	RR 2 by default

Preset C — Swing

Any symbol on H1–H4, positions held for days.

Setting	Value	Reason
Chart TF	H1 – H4	Major structure
Box mode / ATR multiplier	AUTO_ATR / 1.5	Only meaningful legs
Reversal boxes	2.0 – 3.0	Ignore deeper pullbacks
Pullback / Opposite bricks	OPPOSITE / 3	Cleaner swings
BOS mapping	2_STEP	Avoid false continuation after a turn
Risk percent / SL-TP boxes	1.0 / 4 – 12	RR 3

Preset D — Reversal hunter

Experienced traders fading exhausted moves, M15–H1.

Setting	Value	Reason
Box mode / ATR multiplier	AUTO_ATR / 1.5	Bigger bricks = fewer, more meaningful ChoCH
Signal direction	REVERSAL	Arrows on ChoCH
BOS mapping	2_STEP	Shows when the new trend is still temporary
Alert on BOS	true	Know at once if the reversal fails and the old trend resumes
Risk percent	0.5	Counter-trend trades deserve smaller size

Preset E — Light (VPS / many charts)

Ten or more charts, small VPS or an older PC.

Setting	Value	Reason
Max bricks to draw	400	Fewer chart objects
Structure lookback	500	Less structure work per brick
History bars to seed	3000	Faster first load
Show forming brick	true	No extra cost — keep it
Show dashboard	true on 1–2 charts only	Panels are cheap but add up on many charts

> **KEY POINT**
>
> Build each preset once, then save it with the indicator's **Save** button in the inputs window (it creates a .set file). Loading a preset later takes two clicks.

CHAPTER 16

Trading playbooks

Four complete ways to trade the indicator, step by step.

Playbook 1 — BOS continuation (the core setup)

Stage	What you are waiting for	Where you see it
1. Bias	Trend pill shows UPTREND (or DOWNTREND), bricks teal (or red)	Dashboard, brick colour
2. Pullback	Price pulls back and prints a new HL (LH) above the old one	Labels on chart
3. Trigger	A brick closes beyond the Active High (Low): BOS + arrow	Arrow, push notification
4. Plan	Risk Tool: stop beyond the HL (LH), target at RR 2+ or next structure	Risk Tool badges
5. Manage	Hold while BOS follows BOS; take profit or tighten if a ChoCH prints	Structure phase field

Playbook 2 — ChoCH then BOS (confirmed reversal)

Stage	What you are waiting for	Where you see it
1. Warning	ChoCH against the trend; bricks turn orange	ChoCH line, orange bricks
2. Patience	No trade yet — the new direction is not proven	Structure: ChoCH (shift)
3. Pullback	First pullback in the new direction (T.HL in 2-step mode)	Labels
4. Trigger	First BOS in the new direction — colours flip to the new trend	Continuation arrow
5. Plan	Stop beyond the pullback swing; target the old Active level	Risk Tool

KEY POINT

Playbook 2 is the safest way to trade reversals: let the ChoCH warn you, and let the first BOS of the new trend give the entry. In CONTINUATION mode the indicator does exactly this for you automatically.

Playbook 3 — Active range breakout

Stage	What you are waiting for	Where you see it
1. Range	Price compresses between Active High and Active Low	Extension lines
2. Pressure	Next Brick bar leans strongly to one side	Dashboard
3. Break	Brick closes outside the range: BOS or ChoCH	Line + label
4. Plan	Stop inside the old range, target the measured range height	Risk Tool

Playbook 4 — Two charts: bias and entry

Stage	What you are waiting for	Where you see it
1. Bias chart	Same symbol, larger box (×2–3 or higher TF): trend pill	Chart A
2. Entry chart	Smaller box: wait for pullback + ChoCH back in the bias direction	Chart B
3. Trigger	First BOS on chart B in the direction of chart A	Arrow on chart B
4. Filter	Ignore every chart B arrow against chart A's trend	Both trend pills



Figure 16.1 — Chart A gives the direction; Chart B gives the timing. Only arrows that agree with Chart A are taken.

> **WARNING**
>
> No setup wins every time. Use a fixed risk per trade, accept losses as part of the process and judge a playbook over at least 50 trades on demo before using real money.

CHAPTER 17

Under the hood

Engineered for MetaTrader 5 — not assembled from parts.

Most Renko tools for MT5 bolt a brick drawer on top of a candle chart and redraw everything on every tick. Crystal Timeless Pro was designed the other way round: a dedicated engine that does the heavy work once per brick and stays light in between. It comes from Crystal AI Systems, a studio that has built and supported more than fifty MetaTrader products over five years — and every lesson from those products is inside this one.

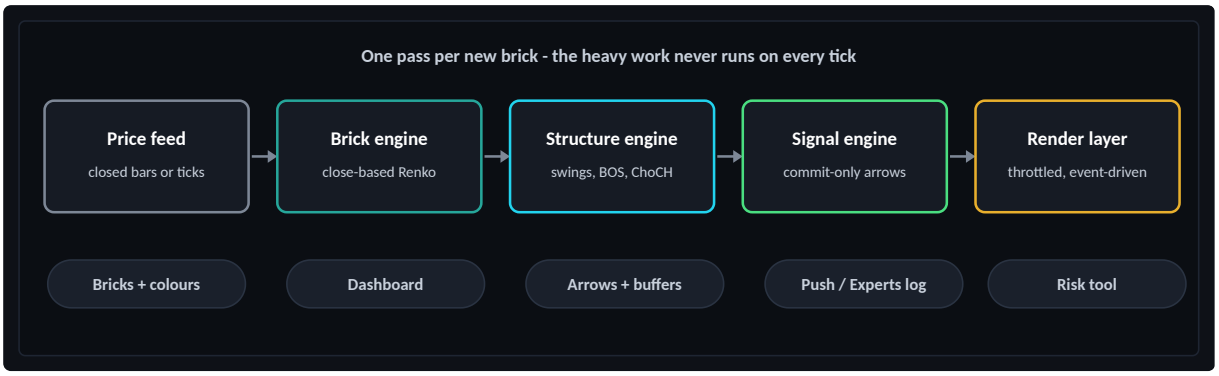


Figure 17.1 — The processing pipeline. Each stage runs once per new brick; between bricks only the live brick and dashboard update.

Engineering choice	What it gives you
Close-based brick engine	TradingView-identical staircase, no double or whipsaw bricks
Commit-only signal engine	Arrows decided on finished bricks only — zero repaint by construction
Heavy work only on a new brick	Structure mapping and full redraws never run on every tick
Throttled live layer (~20 refreshes per second)	Smooth forming brick and dashboard, low CPU even on busy Gold ticks
Per-chart memory of your choices	Dashboard on/off and signal mode survive timeframe changes
Isolated object names	Never deletes or touches other indicators' objects
Real-time mouse handling for the Risk Tool	Handles follow your mouse instantly, no object-selection clicks
Full chart restore on removal	Your chart comes back exactly as it was
Tester-aware rendering	Correct scale, layering and buffers in the visual Strategy Tester

Keeping it fast

If you notice	Change	To
Slow first load	History bars to seed	3000
Lag with many charts	Max bricks to draw / Structure lookback	400 / 500
Busy chart	Show level labels / Structure label font	false / 8
High CPU on a small VPS	Close charts you do not watch; keep the dashboard on the main ones	—

CHAPTER 18

Troubleshooting

Symptom, cause, fix.

Symptom	Likely cause	Fix
Bricks		
Chart is empty after attaching	History not downloaded yet	Wait a few seconds or scroll the chart back once
Very few bricks	Box too large (manual) or multiplier high	Lower Manual box size or ATR multiplier
Bricks look flat / thin	Scale not fitted or box tiny vs price range	Auto-fit = true, zoom in, larger box
Normal candles still visible	Hide real candles = false	Set it to true
Bricks differ from TradingView	Different box, source, reversal or price feed	Match box, CLOSE, Reversal 2; feeds always differ slightly
Box value changed after reload	AUTO re-measures volatility at load	Expected; use POINTS / PIPS for a fixed box
Signals and alerts		
No arrows at all	Enable signals = false, or no BOS yet	Turn it on; wait for structure to build
Arrow appears a few minutes after the break	CLOSE source commits on bar close	Expected; Source TF = M1 for faster commits
No push on the phone	MetaQuotes ID / Push input / terminal closed	Set ID, Push = true, keep MT5 running (VPS)
No pop-up for Buy/Sell	Signals go to Experts tab + push	Enable Alert on BOS/ChoCH for pop-ups
Nothing in the Strategy Tester alerts	MT5 blocks alerts in the tester	Expected; arrows still print
Dashboard and buttons		
Dashboard missing	Hidden with the toggle, or Show dashboard = false	Click the `>` button or set the input
Signal / Risk buttons missing	Dashboard hidden or feature disabled	Show the dashboard; check Enable signals / Show risk tool
Risk Tool		
Cannot drag a handle	Clicked the badge text, not the handle	Grab the circle or square markers
Lot shows the minimum lot	Risk amount too small for that stop	Normal; widen risk % or tighten stop
Lot differs from another calculator	Equity vs balance, account currency, contract size	Check Use equity; confirm with a test order
Box disappeared	Timeframe change or reload	Click LONG / SHORT again

> **NOTE**
> Still stuck? Send a screenshot of the chart with the dashboard visible, plus your input settings (Save to a .set file) through MQL5 private messages — that is usually enough to solve it in one reply.

CHAPTER 19

Frequently asked questions

The questions buyers actually ask — answered.

Q Can I show wicks on the bricks to see how far price moved inside a brick?

No, and that is deliberate. Renko is built purely on movement, not time, so a brick has no meaningful high or low wick — that is why it is called *Timeless*. In one strong minute you can get three bricks; in a quiet hour none. To see the intrabar path, open the same symbol on a second chart as normal candles on a low timeframe (M1) next to your Renko chart.

Q Does it repaint?

No. Signals are decided only on committed bricks, and a committed brick never changes. The forming brick at the right edge moves live, but it never carries an arrow.

Q Why is it called Timeless?

Because time is removed from the chart. Bricks print on price movement only.

Q Which timeframe should I use?

The timeframe sets the auto box size and how often bricks can commit. M1–M5 for scalping, M15–M30 intraday, H1–H4 swing. See Chapters 14 and 15.

Q Does it work on every symbol?

Yes: Forex, metals, indices, crypto, energies and stocks. The auto box adapts automatically.

Q Does it open trades?

No. It is an indicator. It shows structure, signals and exact lot sizes; you place the order, or your own EA does via the buffers.

Q Can an EA use the signals?

Yes. Buffer 0 = Buy, buffer 1 = Sell; a non-zero value is a signal. See the example in Chapter 5.

Q Why did a signal arrive a few minutes after price crossed the level?

With Price source = CLOSE a brick is committed when the source bar closes. Set Source TF = M1 for faster commits.

Q Why are my bricks different from TradingView?

Different broker feeds, box sizes or reversal settings. Match box, CLOSE source and Reversal = 2 and the charts look the same; tiny differences come from the feed itself.

Q Why did the box size change when I reopened the chart?

AUTO mode measures current volatility at load. Use POINTS or PIPS for a box that never changes.

Q Why only BOS arrows and no ChoCH arrows?

You are in CONTINUATION mode, which fires on BOS. Click the button to switch to REVERSAL for ChoCH arrows.

Q Can I have both Continuation and Reversal arrows?

Not on one chart — one clear mode avoids contradictory arrows. Open a second chart of the same symbol in the other mode.

Q What does T.HL / T.LH mean?

A temporary swing in 2-step BOS mapping. It becomes a normal HL / LH once confirmed.

Q What do the orange bricks mean?

ChoCH phase: the old trend's protected swing broke, but the new trend is not confirmed by a BOS yet.

Q What is RANGING on the trend pill?

No structural trend has been confirmed yet, usually right after loading or in very tight markets.

Q What does 'run 6' mean?

The current run: six bricks in a row in the same direction.

Q What are 'Up 464 pts / Dn 286 pts'?

How far price must travel for the next up brick or the next down brick.

Q Are notifications sent for old signals?

No. Only the newest committed brick can notify, once.

Q Why no alerts in the Strategy Tester?

MetaTrader does not deliver pop-ups or push from the tester. Arrows still print.

Q Does the Risk Tool place orders?

No. It calculates; you enter the lot in your order ticket.

Q Why does the Risk Tool show the minimum lot?

Your risk amount is smaller than one minimum lot at that stop distance. Widen the risk or tighten the stop.

Q Is the Risk Tool box saved?

It is a planning drawing and is cleared when the chart rebuilds (timeframe change). Drop a new one in one click.

Q Can I change all colours?

Yes: bricks, trend states, labels, lines, arrows, zones and extension lines all have inputs.

Q Does it work on a white chart?

Yes. Pick darker label colours for contrast (Chapter 10).

Q How many charts can I run?

As many as your PC allows. For 10+ charts use Preset E (Chapter 15).

Q Do I need a VPS?

Only for 24/5 push notifications or an EA. The indicator itself runs on any MT5 terminal.

Q Is there an MT4 version?

Crystal Timeless Pro is built for MetaTrader 5.

Q Will it work in a prop-firm account?

Yes — it is a chart tool. Set Use equity = false and a small risk % for challenge rules.

Q Can I use it with other indicators?

Yes, but remember the time axis is replaced by bricks, so time-based indicators drawn on the same chart will not line up with the bricks.

Q Is profit guaranteed?

No indicator can guarantee results. Crystal Timeless Pro gives you a cleaner chart and a disciplined process; your risk management decides the outcome.

CHAPTER 20

Glossary

Term	Meaning
Active High / Low	The current structure levels a brick must close beyond to create a break
ATR	Average True Range — average bar range used to size the auto box
Box	The fixed height of every brick
BOS	Break of Structure — break of the active swing in the trend direction
Brick	One Renko block, printed after one box of movement
Buffer	A data series an EA can read with iCustom / CopyBuffer
ChoCH	Change of Character — break of the protected swing against the trend
Committed brick	A finished brick; final and never changes
Continuation mode	Signals fire on BOS
Forming brick	The live, unfinished brick at the right edge
HH / HL	Higher High / Higher Low — uptrend swings
LH / LL	Lower High / Lower Low — downtrend swings
No-repaint	A signal that never moves or disappears once printed

Term	Meaning
Percent Equity	Risk mode that fixes risk % and calculates the lot
Pip / Point	Point = smallest price step; pip = 10 points on 5/3-digit symbols
Pullback	A move against the trend that creates an HL or LH
Renko	Chart type built on fixed price movement instead of time
Reversal boxes	Boxes needed against the trend to print a reversal brick
Reversal mode	Signals fire on ChoCH
RR	Reward-to-risk ratio = target distance / stop distance
Run	Number of consecutive bricks in one direction
SL ref	Structural invalidation level sent with each signal
Source TF	Timeframe whose bar closes build the bricks
Swing	A turning point in price: a high or a low
T.HL / T.LH	Temporary swing in 2-step mapping
Trend colour mode	Bricks coloured by structural state rather than direction

CHAPTER 21

Support and disclaimer

Getting help

- **MQL5 private message** to **jawadtrader22** — the fastest route for setup questions.
- **Product comments** on the Crystal Timeless Pro page — questions that may help other users too.
- Include a chart screenshot with the dashboard visible and your settings (.set file).

Recommended trading environment

For push notifications around the clock and smooth multi-chart use, run MetaTrader 5 on a low-latency VPS with a broker that offers tight spreads on the symbols you trade.

- Broker used by our team: vigco.co/la-com-inv/3j5LdsKA
- VPS used by our team: my.hyonix.com

Version history

Version	Changes
1.00	Initial release: close-based Renko engine, SMC structure (HH/HL/LH/LL, BOS, ChoCH), trend colour mode, active level extensions, no-repaint Continuation / Reversal signals with buffers, alerts and push, premium dashboard, drag-and-drop Risk Tool with Percent Equity and Fixed Lot modes.

Risk disclaimer

Trading foreign exchange, CFDs, metals, indices, cryptocurrencies and other leveraged products carries a high level of risk and may not be suitable for all investors. You can lose some or all of your capital. Leverage works against you as well as for you.

Crystal Timeless Pro is an analysis and planning tool. It does not provide financial advice, does not place trades and does not guarantee any profit or result. Signals, structure labels and risk calculations are informational and must be confirmed with your own analysis. Lot sizes depend on data supplied by your broker; always verify them before sending an order.

Past performance, including any chart shown in this guide, is not indicative of future results. You are solely responsible for your trading decisions. Test thoroughly on a demo account first and never trade with money you cannot afford to lose.

Crystal Timeless Pro · Crystal AI Systems · Trade pure price. Not time.