

CRYPTO SOL IA

User Manual and Analysis Guide

Movement Radar for SOL/USDT

Version 1.2.0

This manual explains how to install, activate, and interpret the system's information. It is not, and does not replace, financial advice. Any buying or selling decision is the sole responsibility of the person operating the system.

Educational technical analysis tool — not investment advice.

Table of Contents

1. Installation and first run
 - 1.1 Windows warning when opening the program for the first time
2. License activation
 - 2.1 Installing the mobile app (Android)
3. Screen overview
 - 3.1 Dashboard
 - 3.2 Scalping
 - 3.3 Quick Trade
 - 3.4 Forecasts
 - 3.5 Higher Trend
 - 3.6 Action Zone
 - 3.7 History and Action Zone History
 - 3.8 Hit Rate
 - 3.9 Chart
4. Settings screen
5. Quick indicator glossary
6. Recommended analysis workflow
7. Common interpretation mistakes
8. Frequently asked questions and troubleshooting
9. Pocket cheat sheet — one-page summary
10. Important notices

1. Installation and first run

CRYPTO SOL IA is distributed as a single Windows program — there is no need to install Python, MySQL, XAMPP, or any other separate component.

INSTALLING

- If you received an installer file (CryptoSolAI_Setup.exe), run it and follow the wizard — Next, Install, Finish. You do not need to be a computer administrator.
- If you received only the CRYPTO_SOL_AI.exe file, you can run it directly from any folder — no installation is required.

FIRST RUN

The first time the program opens, it will ask for the license key before granting access to the analysis screens. See section 2 below.

WHERE YOUR DATA IS STORED

The program stores your signal history, settings, and license in a dedicated folder for your Windows user (outside the program folder), so they remain available even if you reinstall or move the program.

START AUTOMATICALLY WITH WINDOWS

The Settings screen has an option for the program to open automatically whenever Windows starts, running in the background. It is off by default.

1.1 Windows warning when opening the program for the first time

When you run CRYPTO_SOL_AI.exe (or the installer) for the first time, Windows may commonly show a blue warning screen. This happens because the program does not yet have a digital signing certificate recognized by Microsoft — the same alert appears for practically any new program, even if it is safe. This does not mean there is a virus or a problem with the file.

■ Windows protected your PC

Microsoft Defender SmartScreen prevented an unknown application from running. To continue: (1) click “More info” (blue link in the upper-left corner of the warning window); (2) after the window expands, click the “Run anyway” button that appears at the bottom. The program will open normally after these two clicks. This warning usually appears only on the first run on each computer.

2. License activation

Each copy of CRYPTO SOL IA requires a valid license key to work. The key has the format XXXX-XXXX-XXXX-XXXX and was provided to you by whoever distributed the program.

HOW TO ACTIVATE

- Open the program. If the license has not yet been activated, the activation screen appears automatically.
- Enter the license key and click Activate.
- An internet connection is required only at this point for activation.
- After activation, the license check itself no longer requires internet — it only needs internet again when the license is reactivated (for example, when changing computers). This is different from normal program use: see the notice below.

NOTICE — internet is required continuously during normal use

The program NEEDS internet continuously during normal use — not only during license activation. It retrieves real-time prices and candles directly from the configured exchange (Binance by default) to calculate any analysis. Without a connection, the screens will not update.

NOTICE — one license, one computer

Each license key can be active on ONLY ONE computer at a time. If you change computers, contact whoever provided your license so they can release it for the new computer before you try to activate it again.

ACTIVATION PROBLEMS

- “Key not found”: check that you entered the key correctly, without extra spaces.
- “This key is already in use on another machine”: contact whoever provided the license to transfer it to this computer.
- “Could not connect to the license server”: check your internet connection.

2.1 Installing the mobile app (Android)

The same license that activates CRYPTO SOL IA on the computer also activates the Android app — there is no need to buy or activate it again. The installation file is `crypto-sol-ia.apk`, available in the website's download area. Because this app is not distributed through the Google Play Store, Android blocks installation by default until you authorize it — the steps below cover the most common ways to get the file onto the phone and complete installation.

STEP 1 — GETTING `crypto-sol-ia.apk` ONTO THE PHONE

Choose whichever method is most convenient — the final result is the same: the `.apk` file saved on the phone:

- Directly in the phone browser — open the download page in the phone's own browser (Chrome, for example) and tap “Download for Android.” The file goes to the phone's Downloads folder. This is the simplest method, with no computer needed.
- USB cable — download `crypto-sol-ia.apk` on the computer, connect the phone by USB cable, authorize “File transfer” when Android asks, and copy the file from the PC to the phone's Downloads folder (or another folder) using Windows File Explorer.
- Cloud (Google Drive, Dropbox, and similar services) — upload the file from the computer to a cloud folder, open the corresponding app on the phone, and download the file there.
- Messenger (WhatsApp Web, Telegram, etc.) — on the computer, send the file to yourself (for example, to Telegram's “Saved Messages,” or a chat with yourself on WhatsApp) and download it through the app.

STEP 2 — ALLOWING INSTALLATION FROM UNKNOWN SOURCES

By default, Android blocks installation of any app that does not come from the Play Store. When you tap the `.apk` file for the first time, the system will usually show a warning with a direct shortcut to allow installation — but, if you prefer to enable it beforehand, the general path is:

- Open Settings on the phone.
- Tap Apps (or “Applications”).
- Look for the gear icon or the three-dot menu and tap Special access.
- Tap Install unknown apps.
- Choose the app you will use to open the file (Browser, Files, WhatsApp, Telegram, Drive, etc.) and enable “Allow from this source.”

2.1 Installing the mobile app (Android) — continued

■ The exact path varies by manufacturer

The name and location of this menu vary somewhat between Android brands and versions. On Samsung devices, it is usually under Settings > Security and privacy > Install unknown apps. On Xiaomi devices (MIUI), it is under Settings > Privacy > Install unknown apps. When in doubt, the simplest approach is to tap the downloaded crypto-sol-ia.apk file directly — Android detects the block and offers a button to open the correct permission screen.

STEP 3 — INSTALLING THE APK

- Open File Manager (or tap the download notification) and tap crypto-sol-ia.apk.
- Tap Install and wait a few seconds.
- Tap Open to launch the app as soon as installation finishes.

NOTICE — Google Play Protect warning

Because it does not come from the Play Store, Google Play Protect may display a warning such as “App not recognized” or “This type of file may harm your device” during installation. This is expected for any application installed outside the official store and does not indicate a virus. Confirm that you downloaded the file from the official website and tap “Install anyway” (or “OK”) to continue.

ACTIVATING THE LICENSE ON THE PHONE

On first launch, the app asks for the same license key used on the computer (section 2). The same key licenses both the PC and the phone at the same time, at no additional cost — it is not a second license. As with the Windows program, an internet connection is required continuously during normal app use, for the same reason: it retrieves real-time prices and candles from the configured exchange.

3. Screen overview

CRYPTO SOL IA does not use traditional candlestick charts as its main element — instead, it translates a set of indicators (RSI, MACD, moving averages, volume, ATR, Bollinger Bands, ADX, VWAP, support and resistance, volume profile) into values, zones, probabilities, and alerts in simple language. The central principle is to help the logic of buying near the low and selling near the high, always requiring confluence among several indicators before signaling an operational decision. Operations are spot only — the system does not use margin, leverage, or short selling.

3.1 Dashboard

This is the main screen — the “snapshot of now.” It combines the 15-minute, 1-hour, and 4-hour timeframes into a single consolidated reading. Use it to decide whether it is worth looking more closely at an entry.

- Movement phase — visually indicates whether price is at BOTTOM, RISING, NEAR TOP, FALLING, etc.
- AI decision — the consolidated verdict (STRONG BUY, WAIT, STRONG SELL, etc.), accompanied by confidence and signal quality.
- Buyer vs. seller strength — a 0–100 score for each side, combining RSI, MACD, timeframe agreement, volume, VWAP, and position within the range.
- Price position between support and resistance — a visual bar showing, in %, where price is now. Near 0% = buy zone; near 100% = sell zone.
- Higher Context (4H/1D) — appears only when something relevant exists: stretched RSI or conflict with the underlying trend.
- Current analysis and Alerts — messages in simple language and specific warnings (reversal, exhaustion, liquidity sweep).
- Buy/sell zones and Risk management — probable price ranges and, when there is a confirmed signal, entry, stop, targets, and risk/reward ratio.

3.2 Scalping

Same logic as the Dashboard, but focused on short timeframes: 1, 3, 5, and 15 minutes. It is for finding the exact entry/exit timing — not for deciding the market's general direction.

■ Caution when using this page alone

A short timeframe is not “more reliable”; it is noisier. A single 1-minute candle can produce an RSI above 90 that disappears on the next candle. Always check the Higher Context (4H/1D) before acting solely on the Scalping page.

3.3 Quick Trade

Module designed for fast, objective operations: it reuses the same decision engine as Scalping (short timeframes, 1/3/5 minutes), but instead of showing several separate indicators for you to interpret, it summarizes everything in a single Live Decision and guides the complete operation cycle — buy, monitor, sell — with just a few clicks.

BEFORE BUYING (NO OPEN POSITION)

- The Live Decision card shows the current verdict (BUY, WAIT, etc.), Buyer Strength (0–100), and Signal Quality (0–100).
- You can click “I already bought” at any time — the system does not force you to wait for the ideal signal. The card is highlighted in green when the system itself also agrees that it is a good entry point, but the final decision is always yours.
- While there is no confirmed purchase, a fixed notification appears in the corner of the screen whenever the engine signals BUY/STRONG BUY — with the price and how long ago the signal fired — even if you have scrolled to another part of the page. This prevents missing the entry moment simply because you were not looking at the main card at that exact second.

AFTER BUYING (OPEN POSITION)

- The card then shows the position: entry price, unrealized profit/loss in \$ and %, and how long the position has been open.
- Only one position can be open at a time across the entire system. If there is already a position in another asset, Quick Trade warns you and asks you to close it before opening a new one.
- The system only confirms a sell signal after several consecutive checks of weakening strength and a minimum time with the position open — a kind of “anti-whipsaw filter” to avoid closing the trade because of a pullback lasting only a few seconds that reverses by itself. Meanwhile, a bar displays “Confirming weakening: X/Y checks.”
- Click “I already sold” when you actually sell in your asset/broker, or “Cancel” if you want to discard the record without counting it as a real trade (for example, if you opened the position by mistake or sold outside the app).
- As at the time of purchase, a fixed notification appears in the corner when the engine confirms the sale, and also when a trade is completed (sold or canceled), regardless of where the page is scrolled.

TRADE HISTORY

Each completed operation (bought and then sold or canceled) is recorded in the “Trade History” table at the bottom of the page, with date/time, result, entry and exit price, and profit in \$ and %.

DIFFERENCE FROM SCALPING

Scalping shows the raw technical indicators of the fast timeframes so you can build your own entry/exit reasoning. Quick Trade uses the same analysis engine, but delivers the verdict ready-made and guides the buy/sell cycle with a few clicks — it is a convenience layer over the same logic, not a different strategy.

3.3 Quick Trade — continued

■ Caution when using this page alone

Like Scalping, Quick Trade operates on short timeframes and is therefore more sensitive to short-term noise. It does not replace checking the Higher Trend (section 3.5): a STRONG BUY signal in Quick Trade against a clearly opposite underlying trend deserves extra caution — apply the same Golden Rule from the recommended analysis workflow (section 6).

3.4 Forecasts

Shows two probabilistic scenarios — never an exact price. The Main Scenario is always the one with the higher probability; the Alternative Scenario is the lower one. Each comes with a condition (“if support X continues to hold...”) and up to 3 price targets. It also shows the price position in the 4-hour range and probable buy/sell zones, with the historical probability of reaction/rejection at each level.

3.5 Higher Trend

The market “weather”: consolidates 1-hour, 4-hour, and daily into a single reading (BULLISH/BEARISH/NEUTRAL), and tells you whether each individual timeframe agrees or not. It is the first place to look before any entry — but never the only one.

■ Common trap

“Higher Trend: BULLISH” does not mean “it will go up, guaranteed.” It is a reading of the current state (where the averages point now), not a forecast of the future. A very high RSI on 4H/1D together with this bullish trend often means the opposite of what it appears: the move has already happened and is mature for a pause or correction.

3.6 Action Zone

An independent module from the rest of the system. Before price gets there, it projects a probable buy zone (below current price) and a sell zone (above), combining support/resistance from 15m/1H/4H/1D with the Volume Profile.

- Zone 1 / Zone 2 — Zone 1 is today's most likely reaction; Zone 2 is the next relevant level if the first one breaks.
- Criteria checklist (X/5) — each criterion appears with OK or X and a text explanation, rather than a single opaque score.
- Mandatory reversal confirmation — the verdict never becomes BUY/SELL without a signal that price has already reacted in the zone (RSI, divergence, or liquidity sweep).
- Breakout warning — if price breaks the previous zone with strength, a “BREAKOUT CONFIRMED” banner appears, warning that the target has been recalculated.

3.7 History and Action Zone History

History records every BUY/SELL signal generated by the Dashboard/Scalping, with date, price, and confidence. Action Zone has its own separate history, useful because this module uses a different logic (checklist + mandatory confirmation) from the rest of the system.

3.8 Hit Rate

Compares each recorded signal with what price actually did afterward — over 15 minutes, 1 hour, and 4 hours — and shows the resulting hit rate, separated by signal type (buy/sell).

3.8 Hit Rate — continued

A very small movement (below the configured threshold) counts as neutral, neither a hit nor an error.

■ Practical rule

Wait for at least 15–20 evaluated signals per horizon before drawing any conclusion. A small sample is easily misleading.

3.9 Chart

Optional visual page — price and RSI side by side, with reference lines at 70 (overbought) and 30 (oversold). The rest of the system continues to work without depending on any chart; this page exists only as complementary visual support, for example to check what an extreme RSI actually looks like in the shape of the movement.

4. Settings screen

Allows you to adjust, without changing code, the parameters the system uses to calculate its indicators and decisions. The default values are already the values tested and used in production — changing them is optional.

Parameter	What it does	Default
RSI Period	Number of candles considered by RSI	14
RSI oversold / overbought	Thresholds for “possible bottom” / “possible top”	30 / 70
Fast / slow EMA	Averages used to classify the trend	9 / 21
ATR Period	Basis for volatility calculation	14
Bollinger (period/deviation)	Volatility bands	20 / 2.0
ADX Period	Trend strength	14
Zone proximity (%)	How close price must be to a zone to count	0.35%
Signal cooldown (s)	Minimum time before repeating the same signal in history	900 (15 min)
Neutral result threshold (%)	Minimum movement to count as a hit/error in Hit Rate	0.15%

QUICK TRADE

Two parameters exclusive to the Quick Trade module (section 3.3), controlling only confirmation of exiting an already-open position — they do not affect the buy signal or any other system screen.

Parameter	What it does	Default
Consecutive weakening checks before confirming sale	Number of consecutive checks that must show weakening buyer strength before the system confirms a sell signal. Higher values make exits slower and more resistant to whipsaws; lower values make exits faster and more sensitive to noise. Accepts 1 to 10.	2
Minimum time with position open before accepting a sell signal (minutes)	Minimum time counted from the purchase before the system accepts any sell signal — avoids closing the trade because of noise in the first moments after buying. Accepts 0 to 60.	3

“Restore defaults” button

Returns all of the above parameters to their original values at once.

MARKET DATA SOURCE

The API endpoint (Binance by default), optional API Key/Secret, and the default symbol displayed when opening the program can also be configured here — the system does not depend on any specific exchange.

LANGUAGE

Português (Brasil) or English. The change is applied immediately to the system screens.

5. Quick indicator glossary

You do not need to memorize the formulas — just understand what each one is trying to tell you.

RSI (Relative Strength Index)

Measures whether the asset has risen or fallen too quickly recently, on a scale from 0 to 100. Above 70 = overbought (risk of correction). Below 30 = oversold (risk of bounce). It is not an automatic buy/sell signal — it is an alert that the movement is stretched.

MACD

Measures momentum strength and direction by comparing two moving averages. Used here to confirm whether buying or selling momentum is increasing or losing strength.

Moving averages (EMA)

The short/medium-term trend is calculated by comparing a fast average with a slower one. When the fast average is above the slow one and rising, the reading is a BULLISH trend — and vice versa.

Volume

Amount traded during the period. A price movement with high volume is more reliable than the same movement with low volume (greater risk of a false breakout).

ATR and volatility

Measures the average size of price fluctuations. Used to classify the market as calm, normal, high, or extreme volatility — and to automatically calculate zone and stop-loss size.

Bollinger Bands

Mark a volatility range around price. A very narrow range (compression) often precedes a strong movement. A very wide range (expansion): the movement is already underway.

ADX

Answers whether the market is really trending or moving sideways. The system avoids generating aggressive signals when ADX indicates a sideways market.

VWAP

Volume-weighted average price — a “fair price” reference widely used by institutional traders. Price far from VWAP has greater risk of returning to the mean.

5. Quick indicator glossary — continued

Support and Resistance

Price levels where the market has historically reacted, calculated from actual candle highs and lows — not drawn manually.

Divergence (RSI vs. price)

When price makes a new low/high, but RSI does not confirm it. It is one of the most respected signals of a possible reversal.

Exhaustion across multiple timeframes

When RSI is extremely stretched (≥ 80 or ≤ 20) across several timeframes at the same time. Treated as a strong signal by itself — it can change the decision even without volume confirmation.

Liquidity sweep (stop hunt)

When price pierces a support/resistance level only with the wick, but closes back inside the range. It suggests a “hunt” for accumulated orders, followed by a reversal — not a true breakout. In the Action Zone, it also counts as valid reversal confirmation.

Volume Profile (PoC and Value Area)

Used only in the Action Zone. PoC is the price where the most volume was traded in the last 24 hours — literally where the most money was concentrated. Value Area is the range containing 70% of that volume. Price outside it tends to return inside.

6. Recommended analysis workflow

The most common mistake is making a decision by looking at only one page. The workflow below crosses the pages in the order that usually gives the most complete picture — from the broadest context to the most precise timing.

Step	What to check
1. Higher Trend	What is the overall “weather” (1H/4H/1D)? Is a correction underway? Is RSI on the larger timeframes in an extreme zone?
2. Dashboard	Does the current signal (15m/1h/4h) agree with the overall weather? Is there a Higher Context conflict warning? What are the movement phase and range position?
3. Scalping / Quick Trade	Only after the steps above: do the short timeframes confirm a specific entry/exit point, with real volume and confluence — or is it noise? Quick Trade uses the same engine as Scalping, so the same check applies.
4. Action Zone (optional)	Has price already reached a relevant zone and is there a real reversal signal? It never allows BUY/SELL on the first touch.
5. Forecasts	Do the targets and probability of the main scenario still make sense given the current context?
6. Hit Rate / Action Zone History	Over time, use the actual numbers (not the impression from a single screenshot) to determine whether it is worth trusting the signals from this asset more or less.

The Chart is not part of the decision workflow — it is optional visual support for checking, at any time, the shape of the price movement and RSI behind the numbers.

■ Golden Rule

A favorable higher trend is not automatic permission to enter. The short timeframe needs to confirm with its own volume and confluence. If Scalping or Quick Trade says “do not enter” even with a bullish Higher Trend, it means the timing is not good yet — the system is not contradicting itself.

7. Common interpretation mistakes

X “Higher Trend: BULLISH” means it is guaranteed to rise.

No. It is a reading of the current state, not a forecast. Always check the RSI of the larger timeframes as well — being too stretched is a correction risk even when the underlying trend remains intact.

X A high RSI is always an immediate sell signal.

A stretched RSI reduces confidence in a buy and increases correction risk — but by itself it is not an “automatic sell.” The system only turns this into an operational decision with confluence or extreme RSI across several timeframes at the same time.

X A 1-minute timeframe is more reliable because “it is happening now.”

The opposite: the smaller the timeframe, the easier it is for a random movement to look like a signal. The larger timeframe has more volume and participants behind it, making it statistically more robust.

X A “Forecasts” scenario with 56% probability is almost certain.

56% is only slightly above a coin toss. The system never promises certainty — it works with probability and scenarios, precisely to avoid pretending that technical analysis has a level of precision it does not.

X If price touched support, it is time to buy.

A touched support is no guarantee that it will hold — sometimes it is only the pause before breaking to a lower support. That is why the position in the range needs confirmation from RSI, volume, and MACD together.

X An old “liquidity sweep” alert is still valid as an entry signal.

If price has already moved substantially since the sweep, the bounce or drop it signaled has already happened. The system automatically discards this alert when price has moved out of half of the range where the sweep made sense.

X “Following the strong trend” is compatible with “buy low, sell high.”

They are not the same strategy — they are opposites. Buying low/selling high is mean reversion. “Trend following” buys near resistance and sells near support. CRYPTO SOL IA was built for the first logic; mixing the two produces contradictory signals.

X The Action Zone tells you to buy/sell as soon as price touches the target zone.

No — the verdict only becomes BUY/SELL after price shows that it has stopped and reversed there, aligned with the zone's side. Without that confirmation, “WAIT — no confirmation yet” appears deliberately.

X In Quick Trade, the faster the sale is confirmed, the better.

Not necessarily. Sale confirmation exists precisely to avoid closing the position because of a pullback lasting a few seconds that reverses by itself. Reducing the confirmation parameters too much trades this filter for more noise, not more useful speed.

8. Frequently asked questions and troubleshooting

The program shows no data / stays “loading” forever

Check your internet connection — the system retrieves real-time prices and candles from the configured exchange. Without internet, no analysis can be calculated.

I changed a setting and saw no difference

Changes made on the Settings screen take effect immediately on the next query — there is no need to close and reopen the program.

I lost my history after reinstalling

That should not happen: history is stored in a folder separate from the program itself, which survives reinstalls. If it happened, contact support.

I need to change computers

Contact whoever provided your license so they can release (“transfer”) it — after that, you can activate normally on the new computer.

Windows shows a blue warning when opening the program. Is it safe?

Yes. See section 1.1 near the beginning of this manual, with the illustrated step-by-step instructions.

Quick Trade does not let me open a position in another asset

This is expected: only one position can be open at a time across the entire system. Close (sell or cancel) the current position before opening one for another symbol.

The mobile app does not appear to install / Android blocks the file

This is normal behavior for apps outside the Play Store. See the complete step-by-step instructions in section 2.1 — in short, you must allow “Install unknown apps” for the app used to open the file (browser, file manager, etc.) before you can install crypto-sol-ia.apk.

9. Pocket cheat sheet — one-page summary

Before any entry, ask:

- Does the Higher Trend favor this direction, or am I going against it?
- Is RSI on the larger timeframes stretched (correction risk)?
- Did the Higher Context card on Dashboard/Scalping show any conflict warning?
- Does the specific page's decision confirm, or is it saying "wait"/"do not trade"?
- Are signal quality and confidence at a reasonable level, or very low?
- If using the Action Zone: has price already shown a confirmed reversal on the correct side — or is it still "in transit"?
- If using Quick Trade: was the purchase made from a system signal or on your own? If the position is already open, has the "Confirming weakening" bar advanced enough?
- Is risk management (risk/reward ratio) classified as GOOD or ACCEPTABLE?

Signals that deserve extra attention

Signal	What it means
[HIGH] Extreme RSI on 3+ timeframes	Strong exhaustion — can change the decision by itself, even without confirming volume.
[MEDIUM] Liquidity sweep	Possible "trap" — the breakout may be false; check whether it is still recent.
[HIGH] Higher Context conflict	The current signal is against the underlying trend — treat it as a bounce, not conviction.
[INFO] Sideways market (low ADX)	The system deliberately avoids strong signals here — noise is more likely.
[INFO] Action Zone: "no confirmation"	Price reached the zone but has not reversed yet — waiting is the correct behavior.
[INFO] Quick Trade: fixed BUY/sale-confirmed notification	Appears in the corner even if you have scrolled to another part of the page — action is not mandatory immediately, but it should not go unnoticed.

Final reminder: CRYPTO SOL IA is a tool — like a computer full of useful programs. It does not decide for you; it gives you better-organized information so you can decide. Responsibility for the entry, position size, and risk assumed is always yours.

10. Important notices

NOTICE

CRYPTO SOL IA is an educational technical-analysis support tool. It does not guarantee profit, does not eliminate the risk of trading cryptocurrency markets, and no decision or signal displayed should be interpreted as investment advice. Financial-market operations involve a real risk of capital loss.

The “Hit Rate” shown in the system reflects the historical performance of signals already recorded and is not a guarantee of future results.

CRYPTO SOL IA — User Manual and Analysis Guide — Version 1.2.0

Educational technical analysis tool — not investment advice.