CryptoTicr

User guide

The everyday guide: what the screen shows, the settings page, and the settings most owners change.

Need help? Call or text Lee, who designed it: (234) 575-2550

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What the screen shows

What you see on a coin screen

One coin per screen

- **Title band**: the coin's logo and name, symbol, or both, as chosen in `Title area`. A coin whose name cannot be drawn in the ticker's fonts falls back to its logo and identifier.
- **Price**: large, in the colorset's up color when the day's change is positive and the down color when it is negative. A change that rounds to 0.00% shows in a neutral gray instead, the same in every colorset. See Colorsets.
- **Stats row**: under the price, the 24-hour change on the right, and on the left one of volume (`V`), market cap (`M`) or rank (`#`), rotating through whichever you have switched on. A missing figure reads `No VOL` , `No MC` or `No RNK` . See Price area.
- **Chart**: the rest of the screen, one period at a time when several are chosen. With no chart period chosen the same space holds a panel of the price change over `7d` , `30d` and `90d` (and `24h` when the stats row is off). See Charts and time ranges.

The full One-coin screen at factory settings, title band and stats row above a 24-hour chart:



The left side of the stats row rotates between three figures, or none. Market cap and rank shown here, each beside the 24-hour change:



The row can also show the 24-hour change alone, or nothing at all, leaving more room above the chart:



Two per screen

Two blocks, each a title band, a price and a stats row, no chart. The page turns as one.



Four per screen

Four rows: a logo or a symbol on the left, the price on the right in the day's color, nothing else. Prices share one size down the column where they can.



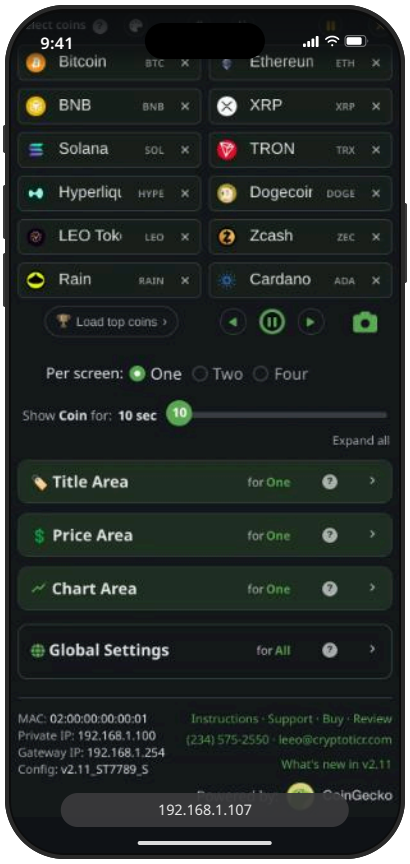
Tiny prices

A price with many leading zeros is written as `$0.0` followed by a small count of zeros and the significant digits, in every layout, so a coin worth a fraction of a cent is still readable.

When a price is missing

The price reads `-.--` with a dim note saying why, such as `No reply` or `Busy (429)`. See Prices stopped updating.

The three screen layouts side by side









Side by side

	One	Two	Four
Coins on the glass	1	2	4
Title	icon, symbol, name or a pair	icon, symbol, name or a pair	symbol or icon
Price	large, colored by the day	medium, colored by the day	small, colored by the day
Stats row	yes, rotating	yes, smaller	no
Chart	yes, or the 7d/30d/90d panel	no	no
Rotation step	one coin	a page of two	a page of four
Own `Show … for:` time	yes	yes	yes

Choosing

`One` is for reading a coin: chart, change, volume. `Two` and `Four` are for watching a list at a glance. All three keep their own title style, stats switches and time, so trying one costs nothing; see Per-layout and shared settings. The control is `Per screen:` above the `Display` section; see One, two or four coins per screen.

Crypto terms on the ticker







Terms

- **Symbol**: the coin's short code, `BTC` for Bitcoin. Not unique; two coins can share one.
- **Price**: in US dollars, from the server's cache of CoinGecko data.
- **24h%**: how far the price moved over the last 24 hours, counting back from now. Green or red (or the colorset's pair) by direction.
- **24h Vol** (`V` on the glass when the prefix is on): how much of the coin was traded, worldwide, in the last 24 hours.
- **Market Cap** (`M`): the value of all of a coin's coins put together, price times how many exist.

- **Market Cap Rank** (`#`): the coin's position among all coins by market cap; `#1` is the biggest.
- **Total Market Cap**: every cryptocurrency's market cap combined, the big number on the market overview card.
- **BTC dom**: Bitcoin's share of the total market cap. `Rising dominance means money favoring Bitcoin over the rest.`
- **24h vol** (market-wide): how much was traded across the whole market in the last 24 hours.
- **Sector**: `a family of coins with the same purpose, gaming, AI, DeFi, meme coins, and so on.` The sector heat card shows the one with the biggest 24-hour move.
- **Stablecoin**: a coin pegged to a currency such as the dollar; left out of the top-coins loader because its price does not move.

Wi-Fi words are on Wi-Fi terms used by the ticker.

The settings page

Opening the settings page

Before you start

- You need the ticker's address, something like `192.168.1.42`. It is on the ticker's start screen and in the address popup, both under `My settings are here:`, and in the QR code the ticker shows on request.
- The page is served by the ticker itself, so only devices on the same Wi-Fi can reach it. It works without internet.

Steps

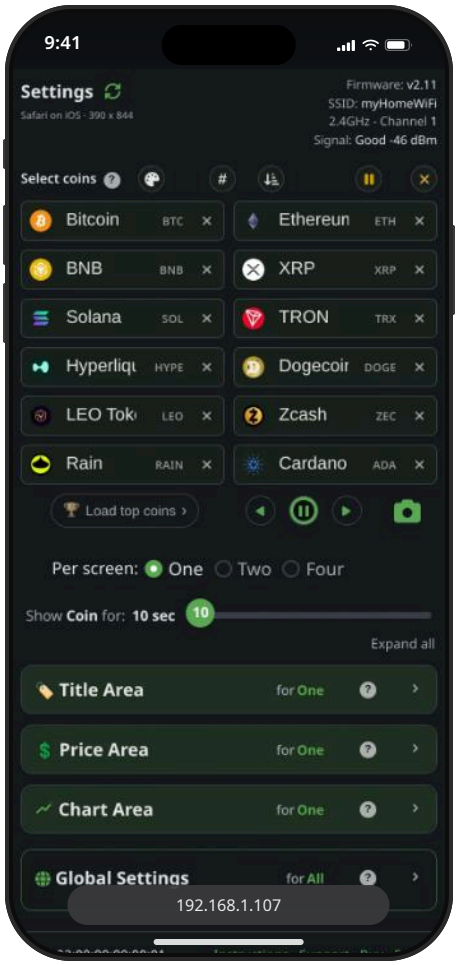
1. Read the address off the ticker, or unplug and replug it to see the start screen, which shows `My settings are here:` and the address for a few seconds.



2. On your phone or computer, open a browser and type the address into the address bar, with `http://` in front: `http://192.168.1.42`. The ticker's own page says `Enter into its ADDRESS BAR: … Not a search box!` and `http:// not https://`. Plain http is fine here: the page travels only between your phone and the ticker on your own network, never over the internet.



3. Press Go. The page opens with `Settings` at the top, your coin boxes, and the ticker's firmware line on the right.



4. To skip the typing next time, scan the ticker's QR code with your camera when it shows one; it opens the same page. Or bookmark the page in your browser.



You're done when

- The page shows `Settings`, the `Firmware:` line matches the version on the ticker's start screen, and the coin boxes hold your coins.

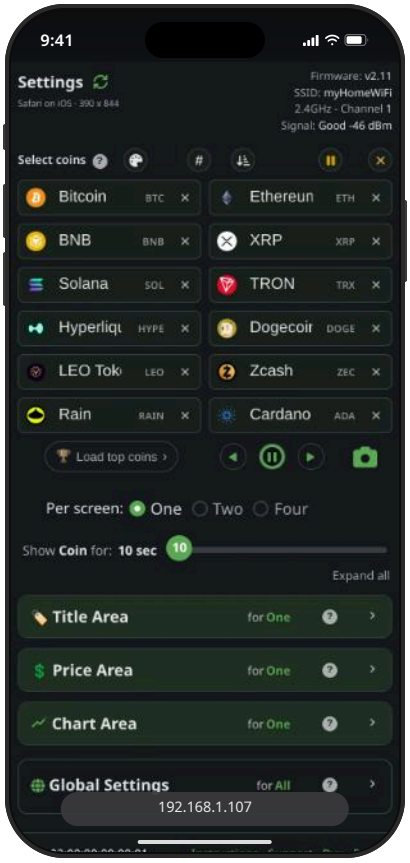
Problems?

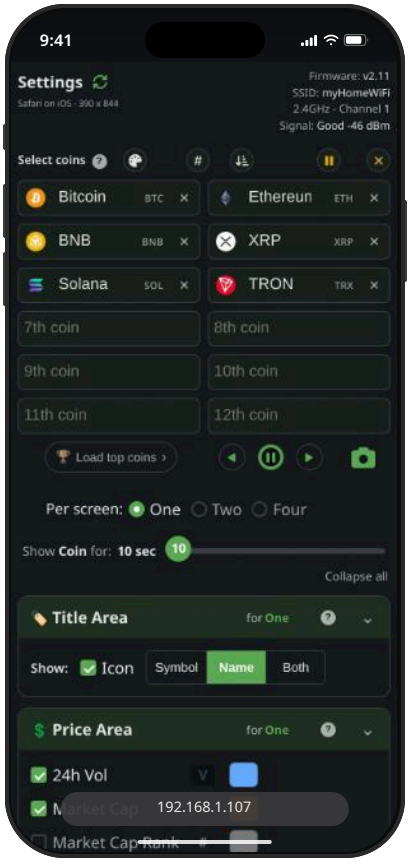
- The address does not load: The settings page won't open.
- The browser changed `http` to `https` or shows a security warning: The browser turns http into https.
- You do not know the address any more: I lost the ticker's address.
- The page loads but says the ticker is busy or cannot be reached: The settings page says your ticker is busy.

A tour of the settings page

From the top

Every section folded **Every section unfolded**





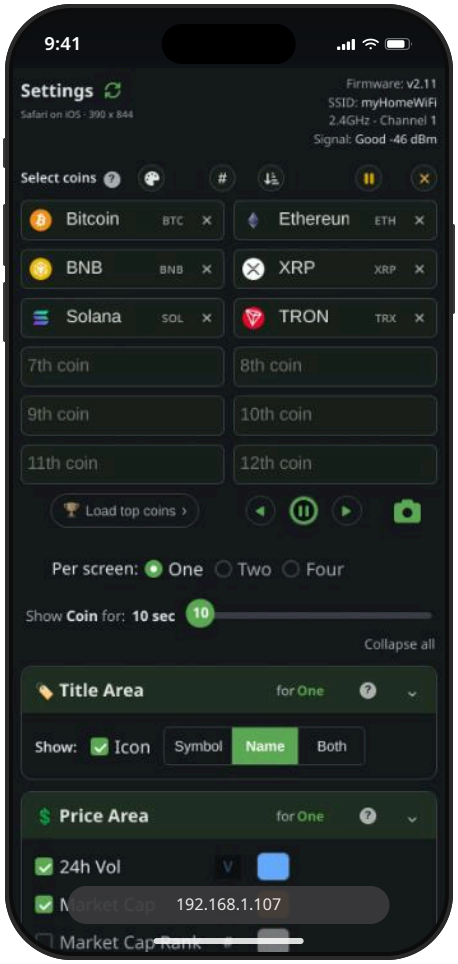
- **Header**: the logo and `Settings`, with the line naming your browser under it; on the right `Firmware:`, `SSID:`, `2.4GHz - Channel`, `Signal:`, and `Power:` when the supply needs a look. Tapping the left side reloads the page. See The header lines.
- **Banner**: on a first visit, `First time here? That's Lee (in Ohio).`; after an update, `Welcome to v2.09!` with a `What's new?` link. See The welcome banner.
- **Select coins**: twelve boxes, the sort, pause, rank and clear buttons above them, `Save & Apply Coins` and `Undo` under them, the `◀ ▮▮ ▶` remote, the `Show Coin for:` slider, and `Load top coins`. See Choosing coins.
- **Per screen**: `One` / `Two` / `Four`. See One, two or four coins per screen.
- **Show Market Info**: the market cards and their schedule. See Market info cards.
- **Title Area**, **Price Area**, **Chart Area**: what a coin screen shows, per layout. See Title area, Price area, Charts and time ranges.
- **Show my IP address**: the QR and text popup rows. See The address popup and QR code.

- **Display**: `Brightness`, `Nighttime quiet hours`, `Colorset`. The pause button is not here; it is in the arrow strip under the coin boxes. See Brightness, Nighttime quiet hours, Colorsets.
- **Device**: `Restart`, `Wi-Fi…`, `Erase…`; `Export`, `Import`, `Lock`; `Factory defaults`; `Notify me of weak` for Wi-Fi and power; `Info` with `System Info` and `Files Info`. See Restart the ticker, Export and import settings, Lock the settings with a password.
- **Footer**: the read-out of addresses and build, `Instructions`, `Support`, `Buy`, `Review`, `Powered by: CoinGecko`, and a `What's new?` link. See The footer read-out.

Every section has a question mark that explains it; the `Help` overlay opens with the `Help` link or the F1 key. See Help and the question marks.

Instant apply, and the one thing that waits for Save

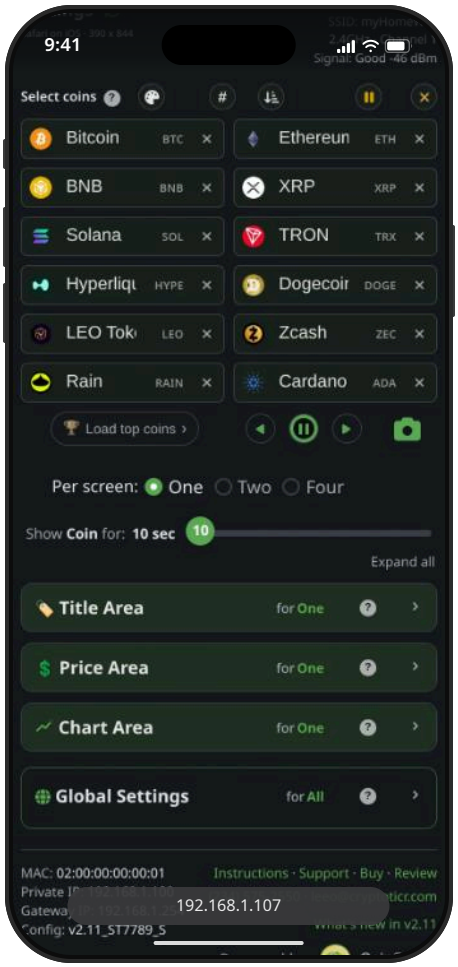
Everything but the coin list applies as you touch it



Instant

The help overlay says it: `Everything else applies the moment you change it: so you can watch the ticker while you experiment. Nothing to save, nothing to undo.` Brightness, colorset, the display switches, chart ranges, quiet hours, the address popup rows, the market cards and the notify boxes all go to the ticker as you change them, and the ticker redraws. Frequent live changes are written to the ticker's storage a little later, in one go, so a run of slider moves does not wear it.

If the ticker cannot be reached for a live change the page says `Couldn't reach your ticker just now, nothing has changed on this page. Try again in a moment.` and leaves the control where it was; see Couldn't reach your ticker message.



The coin list

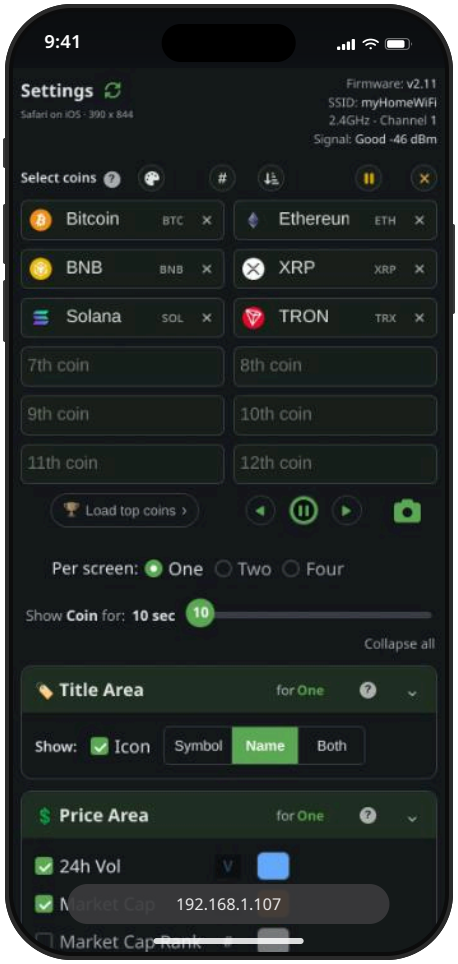
The coin boxes are the exception. They wait for `Save & Apply Coins`, which appears as a green button when the list differs from what the ticker holds. On success the page says `Saved & applied to your Ticker.`; a refused save says why. See Save & Apply and the coin list.

Reload

Tapping the logo, the `Settings` heading or the browser line reloads the page from the ticker. If you had unsaved coin edits the page says `Refreshed from your ticker, your unsaved coin changes were dropped.`; otherwise `Up to date with your ticker.` See Refresh and reload.

Help and the question marks

A question mark on every card



The question marks

Beside every section title, and beside most rows, sits a small `?`. Tap it and a note opens describing what that setting does and what to expect on the glass. The help overlay puts it this way: `Every section and most rows have one. Tap it and it tells you what that setting does, in plain words. That is the fastest way to answer almost any question on this page.` The notes on this site quote those descriptions where they apply.

The Help overlay

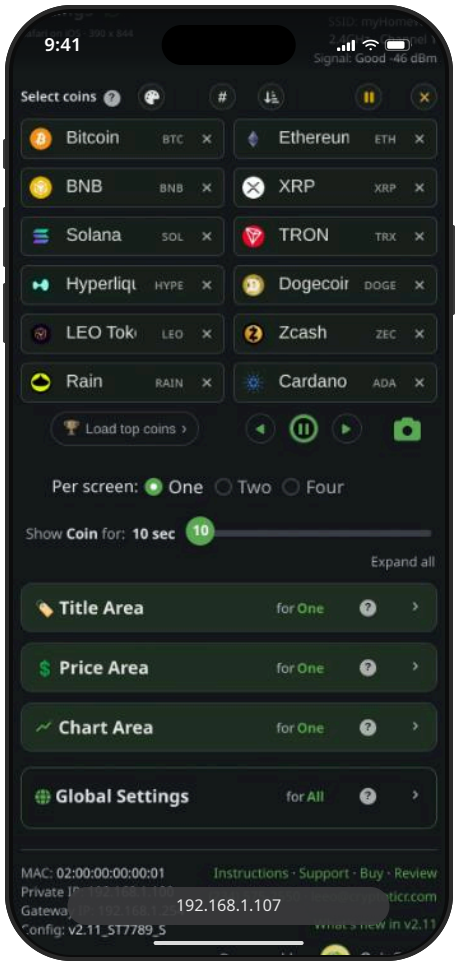
The `Help` link at the bottom of the page, or the F1 key on a keyboard, opens an overlay that walks the page in a few paragraphs: what is saved where (`Everything here is saved on the ticker itself, nothing leaves your home network.`), the coin list and `Save & Apply` , instant apply for everything else, and the `Per screen` layouts. The `Escape` key or the close button dismisses it.

Beyond the page

For anything the notes do not answer, Contact reaches Lee, and Before you call: what to have ready lists what to have to hand.

Your coins

Choosing coins



What it shows

The `Select coins` section of the settings page: twelve boxes, one coin each, in the order the ticker will show them. Each filled box carries the coin's logo and a small badge with its symbol, such as `BTC`.

Type into a box and a list appears as you type. The page says: `Type either a symbol (btc, eth) or a name (solana), both find the coin, and a list appears as you type.` The list shows up to six matches, best first: a symbol or name that starts with what you typed, then matches ignoring spaces and punctuation, then names containing it, then the coin's identifier. Each suggestion shows the logo, the name, the symbol and the market-cap rank. Pick one and the box fills.

The choices come from the ticker's server, which offers the 1,000 largest coins by market value, each with a logo; the list is on Supported coins. A box holding text that is not a coin on that list will not save; see Save refuses a coin it doesn't know.

What a filled box turns into once it reaches the glass, here the first box with the factory coin, Bitcoin, in One per screen:



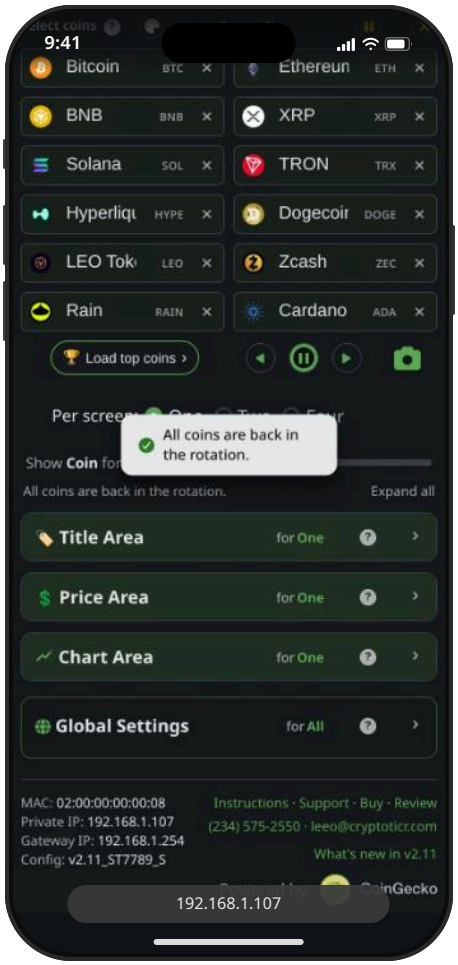
Options

- Up to twelve coins. The ticker cycles them in box order; see Ordering and sorting coins.
- Fill the boxes in one go from the market's biggest coins: Load top coins.
- Keep a coin in the list but out of the rotation: Pausing coins.
- Nothing changes on the ticker until `Save & Apply Coins` : Save & Apply and the coin list.

Where to set it

The `Select coins` section at the top of the settings page. Its reference page is Setting: the coin list.

Load top coins



What it shows

Under the coin boxes, a row headed `Load top coins` with a trophy. Open it and a slider steps through the market's biggest coins twelve at a time: position one is `Top 1–12`, position two `Top 13–24`, and so on, up to the tenth group. As you slide, the twelve logos of that group appear under it so you can see what you would get. The page describes the rule: `Stablecoins and untraded assets omitted.`

The slider's button is green while a tap would change nothing and turns orange when tapping it will load the twelve you are previewing. Tap it and those twelve drop into the boxes above, replacing what was there and un-pausing everything. If your current list is exactly one of the groups, the slider opens already sitting on it.

Nothing changes on the ticker until `Save & Apply Coins`. An `Undo` button appears under the boxes and puts back the list you had, until you save.

Options

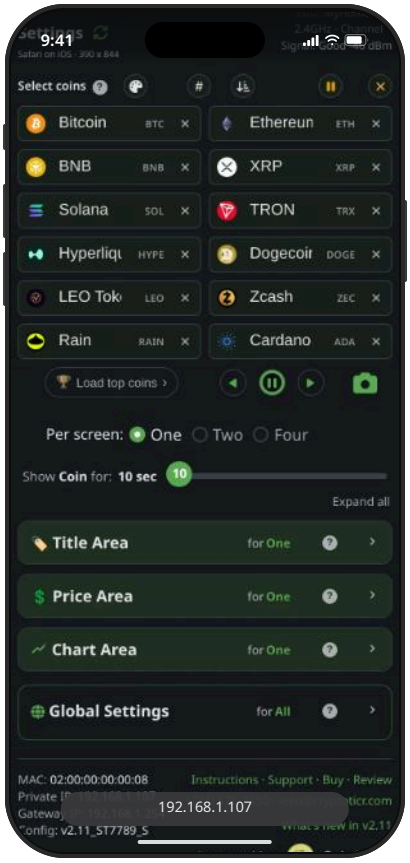
- Load a group, then edit it: swap, delete, add and reorder in the ordinary boxes. The page's words: `a loaded set is just a starting point, not a commitment.`
- The rankings are fetched from the market each time the page loads, so a group's members change over time.
- If the list cannot be fetched the row shows `No top coins available right now.` and a `Try again` button.

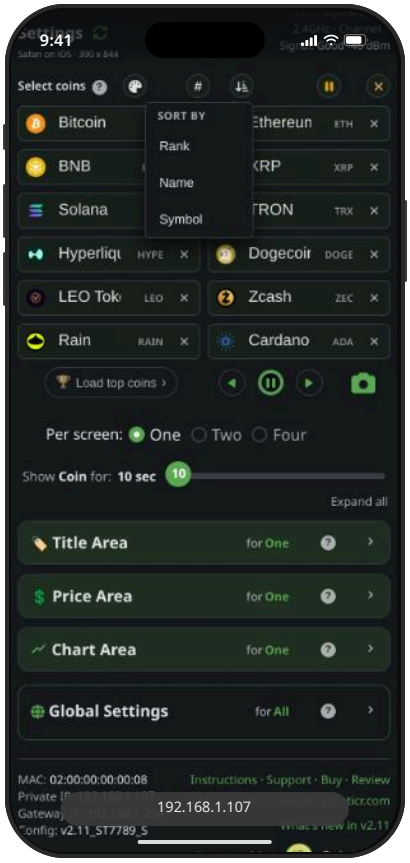
Where to set it

`Select coins` → `Load top coins`, on the settings page.

Ordering and sorting coins

The order you typed **And the sort menu that reorders it for you**





What it shows

The twelve boxes read top to bottom, and that is the order the ticker shows them in. The controls above the boxes and on each box change the order without retyping:

- **Insert**: tap a box, then its `⊕` corner button, and an empty box opens there; that coin and everything below shift down. If all twelve were full, the last one falls off the end and a note says so: `All 12 slots were full, "…" fell off the end. Undo (below) brings it back.`
- **Clear**: the `×` on a box empties it and the boxes below close the gap.
- **Clear all**: empties every box except the first. The note reads `Cleared all but: #1 (BTC) - must show at least one.`
- **Sort**: the sort button offers `Rank`, `Name` and `Symbol`. Sorting by the same key again reverses the order. Sorting by rank also switches the badges to ranks.
- **Rank badges**: the `#` button swaps every badge's symbol for the coin's market-cap rank; tap again for symbols.

- **Undo**: after a sort, a batch load or an insert that dropped a coin, `Undo` puts back the list from before the first of those, until you save.

Typing goes box to box with the Tab key, so filling twelve is name, Tab, name, Tab.

Options

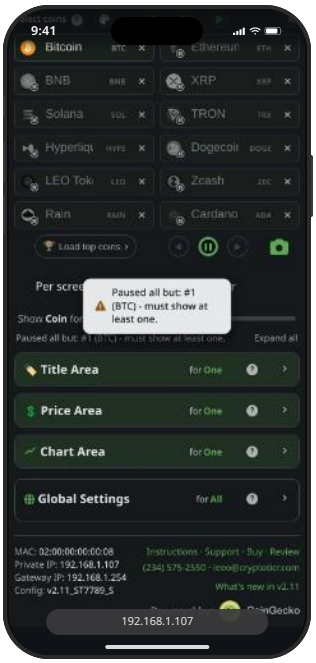
- Every change here waits for `Save & Apply Coins`. On save the ticker starts its rotation again from the first coin (or the first page).
- The order is also what the remote buttons step through and what a tap on a badge jumps to; see Jump to a coin and the remote buttons.

Where to set it

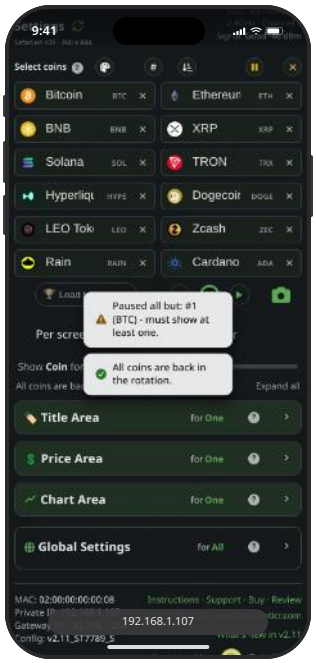
The `Select coins` section of the settings page.

Pausing coins

Paused: still in the list, out of the rotation



Showing again



A showing coin. A paused one never reaches the glass



What it shows

Tap the logo in a coin's box and the box dims: the coin stays in your list but leaves the ticker's rotation. A note confirms it, `BTC is out of the rotation.`; tap again and `BTC is back in the rotation.` The page suggests the use: `Great for "just Bitcoin today" without losing your lineup.`

Above the boxes, a pause button pauses every coin except the first in one tap (`Paused all but: #1 (BTC) - must show at least one.`) and a play button brings everyone back (`All coins are back in the rotation.`). Pausing the last showing coin is refused with `I have to show at least one coin.`

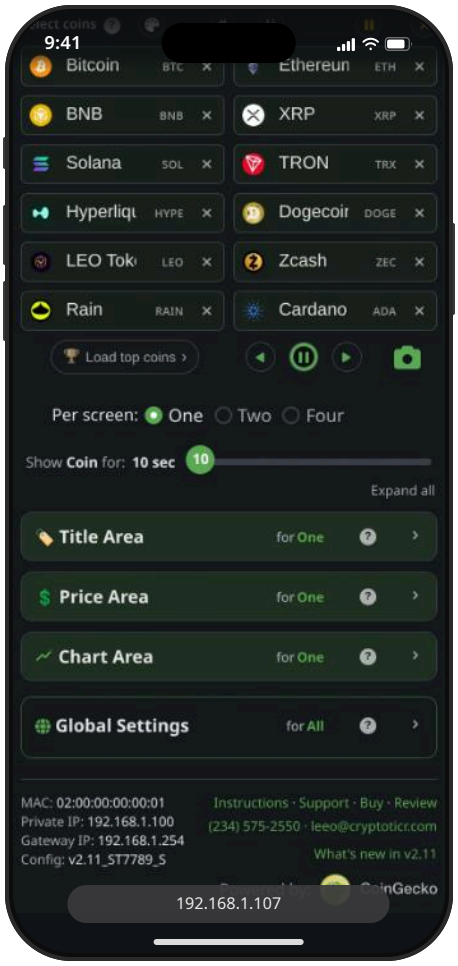
Options

- A paused coin cannot be jumped to from its badge; the badge's tip reads `Paused - tap its icon to bring it back first`.
- The ticker's rotation, position dots and fetches all run over the showing coins only; paused ones cost nothing.
- Pausing does not wait for `Save & Apply`: the ticker moves on from a paused coin at once, and un-pausing jumps straight to it. Saving with every coin paused is refused; see Save says all my coins are paused.

Where to set it

The logo in each box of the `Select coins` section, and the pause and play buttons above the boxes. Pause state is saved as part of the coin list, Setting: the coin list.

One, two or four coins per screen



What it shows

- **One**: the coin fills the screen: title band with logo and name, the price, the stats row, and a chart (or the 7d/30d/90d panel when no chart period is chosen). The rotation moves one coin at a time.
- **Two**: two coins stacked, each with its title band, price, change and stats. No chart. The rotation moves a page of two at a time.

- **Four**: four rows, each a logo or symbol and a price colored by the day's direction. No chart, no stats. The rotation moves a page of four at a time.

Two and Four per screen have no chart at all; the page's chart controls say `Applies to One coin mode only.`

The three side by side, all at factory settings:







Options

- Each layout keeps its own `Show … for:` time and its own title style. The page says: `One, Two, and Four per screen each remember their own choice here.`
- A page of two or four is filled from your list in order; a last page with fewer coins shows what is left.
- Changing the layout applies at once and restarts the rotation from the first coin or page.

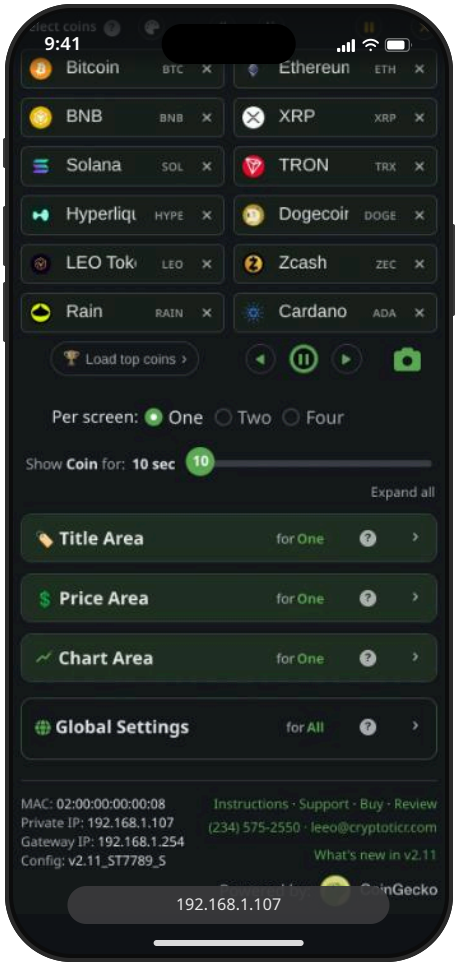
Where to set it

`Per screen:` `One` / `Two` / `Four`, above the `Display` section of the settings page. Reference: Setting: coins per screen.

How long each screen stays

What it shows

A slider under the coin boxes labeled `Show Coin for:` in One per screen, `Show Two for:` or `Show Four for:` in the others, with the chosen time beside it, for example `20 sec`. The page explains: `It sets how long each coin, or each page of coins, is shown before the next takes its turn.`



Each label names the layout it times:

The view this slider times







Options

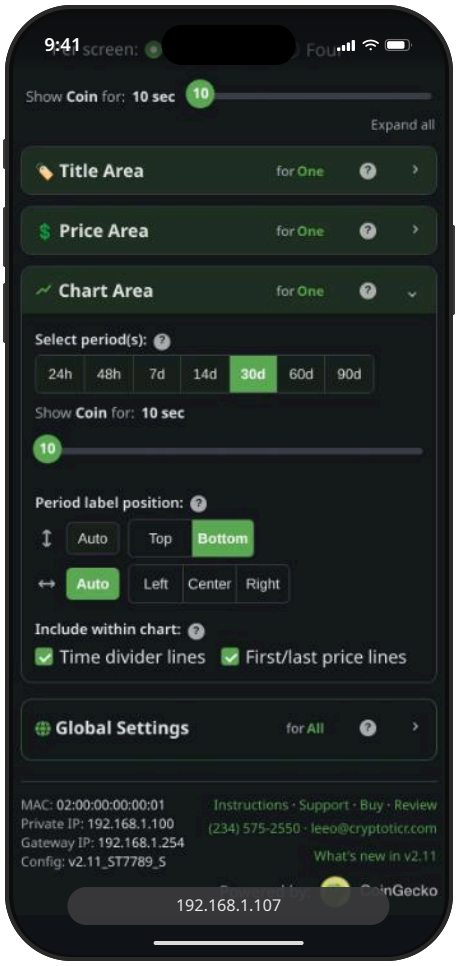
- Five stops: ten, fifteen, twenty, twenty-five and thirty seconds. The firmware holds the value to the same range.
- One, Two and Four per screen each remember their own time, so switching layouts brings back the time you set for that layout.
- In One per screen with more than one chart period selected, the coin's time is split evenly across its charts. The page says: `Want each chart up longer? Give the coin more time.` See Charts and time ranges.
- The `⏸` remote button holds a screen beyond its time for thirty seconds; see Pause from the page.

Where to set it

The slider directly under the coin boxes on the settings page. It applies as you slide. Reference pages: Setting: Show Coin for (One per screen), Setting: Show Two for (Two per screen), Setting: Show Four for (Four per screen).

Charts and the market screens

Charts and time ranges



What it shows

In One per screen, the lower part of a coin's screen is a line of its price over a time range, named in a corner: `24h`, `48h`, `7d`, `14d`, `30d`, `60d` or `90d`. All ranges count back from now.


Ethereum
$1,905
12.18 B -1.41%
24h


Ethereum
$1,905
12.18 B -1.41%
48h


Ethereum
$1,905
12.18 B -1.41%
7d


Ethereum
$1,905
12.18 B -1.41%
14d


Ethereum
$1,905
12.18 B -1.41%
30d





The line is drawn in the colorset's up color when the latest price is above where the range began and the down color when it is below; in the Colorblind set that is blue and yellow. A line whose two ends sit level is drawn in a neutral gray, because it went neither way. The newest price is drawn live at the right end, so the end of the line is always now.



With several ranges selected, the coin plays a chart for each, shortest first, and its `Show Coin for:` time is split evenly across them. With none selected, the same space shows the coin's percentage change over `7d`, `30d` and `90d` in three rows, and `24h` as a fourth row when the stats row is off.

A range the server has no data for shows an empty frame with `(No 7d Data)`; see The chart shows (No Data).

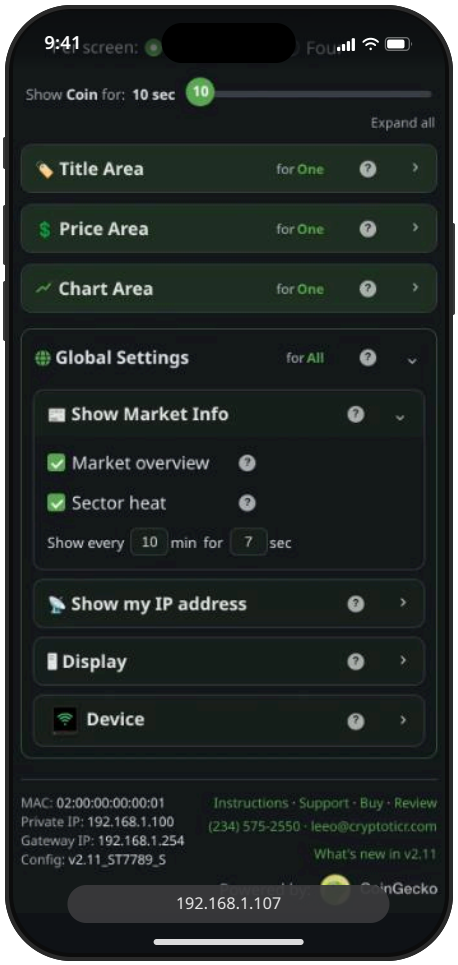
Options

- `Select period(s):` seven buttons, any number of them.
- Where the range's name sits: Chart period label position.
- Faint helper lines inside the chart: Chart lines.
- How long each chart stays: the `Show Coin for:` slider; see How long each screen stays.
- Charts exist in One per screen only: `Two and Four per screen modes have no chart.`

Where to set it

`Display` → `Chart Area` → `Select period(s):`. Applies at once. Reference: Setting: chart time ranges.

Market info cards



What it shows



Between your coins, now and then, a card about the whole market rather than any one coin. The page introduces them as `a heartbeat check on crypto as a whole, not any one coin. Turn them all off to show only coins.` On this ticker there are two: the Market overview card and the Sector heat card.

The rules, as the page states them:

- `All the cards share one schedule: when the interval comes around, every card you've turned on shows once, in the order listed, each held for the "Show for" seconds.`
- `The cards never steal a coin's turn, when they finish, the coin rotation carries on exactly where it left off.`
- Turn a card on, or tap its run button, and it shows on the ticker at once, held at least long enough to look at, then the coins carry on.
- At power-on the enabled cards lead, going past at a quicker pace before the first coin, then settle into their interval.
- A card whose data has not arrived yet, for example right after power-on, is skipped and appears once its data is in.

Cards are spaced from the ticker's other pop-ins (the signal and power cards, the address popup) by a shared minimum gap, so two never stack.

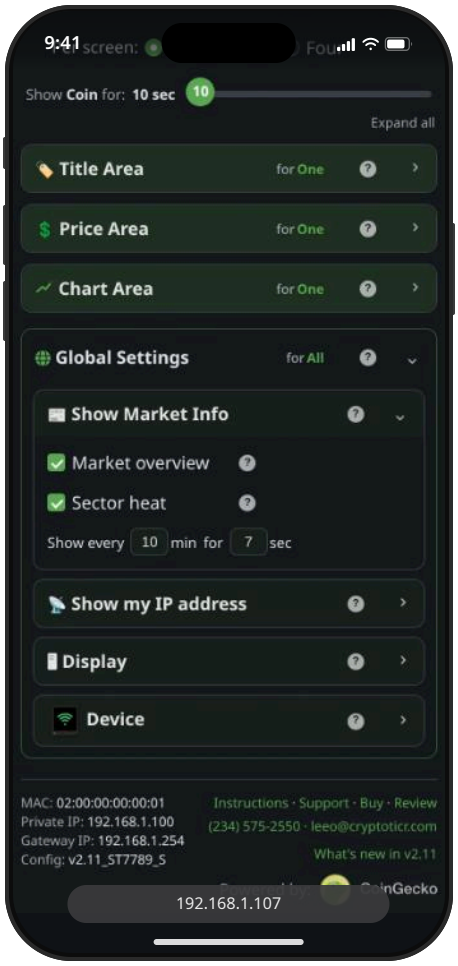
Options

- A switch per card: `Market overview`, `Sector heat`.
- `Show every` (minutes between rounds of cards) and `for` (seconds each card stays up), one pair shared by all the cards, kept per layout.
- A run button beside each card previews it on the glass without changing the schedule.

Where to set it

`Display` → `Show Market Info` on the settings page. Reference: Setting: Market overview card, Setting: Sector heat card, Setting: minutes between market cards, Setting: seconds each market card stays.

Market overview card



What it shows



A card headed `Total Market Cap`, with a globe and the total value of every cryptocurrency combined as its big number, compact like `$3.21T`. Under it, how that total moved over the last 24 hours, as a percentage in the colorset's up or down color. A move that rounds to 0.00% shows in a neutral gray, with a flat bar in place of the arrow. Then two rows: `BTC dom`, Bitcoin's share of the total as a percentage (the page: `Rising dominance means money favoring Bitcoin over the rest.`), and `24h vol`, how much was traded market-wide in the last 24 hours.

The figures come from the ticker's server, which refreshes them every ten minutes from its data source; see Where the prices come from.

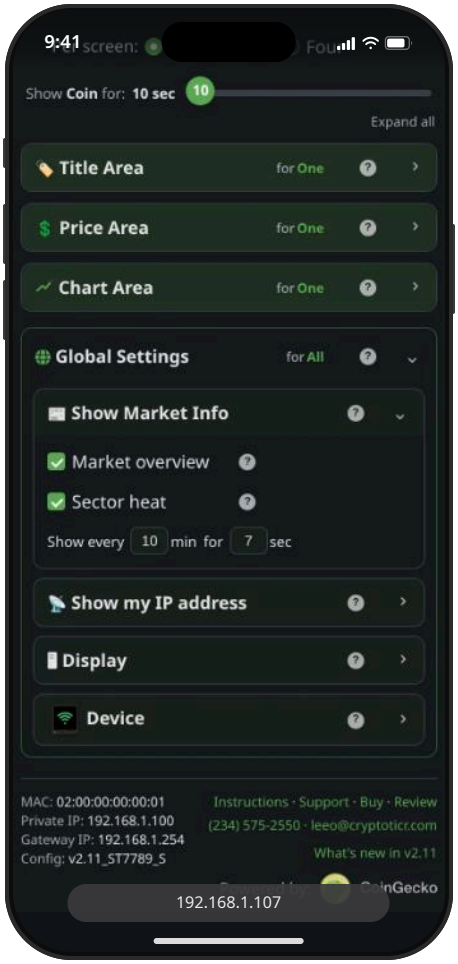
Options

- On or off with the `Market overview` switch, and the shared `Show every` / `for` schedule; see Market info cards.

Where to set it

`Display` → `Show Market Info` → `Market overview`. Reference: Setting: Market overview card.

Sector heat card



What it shows



A card headed `Sector Heat`. The page defines the word: `A "sector" is a family of coins with the same purpose, gaming, AI, DeFi, meme coins, and so on.` A flame and `Hottest now` introduce the sector's name (split over two rows when it is long), its 24-hour move as a percentage in the up or down color (a neutral gray with a flat bar in place of the arrow when it rounds to 0.0%), and `Value`, the combined market value of its coins.

The server ranks the sectors its data source tracks by their 24-hour change, ignoring sectors worth under a billion dollars so a tiny sector's swing does not top the list, and refreshes the ranking every ten minutes. The card shows the head of that list.

The page also describes a `Sector movers` leaderboard card; this ticker's screen is too small for its six rows, and the shipped firmware for this model leaves that card out.

Options

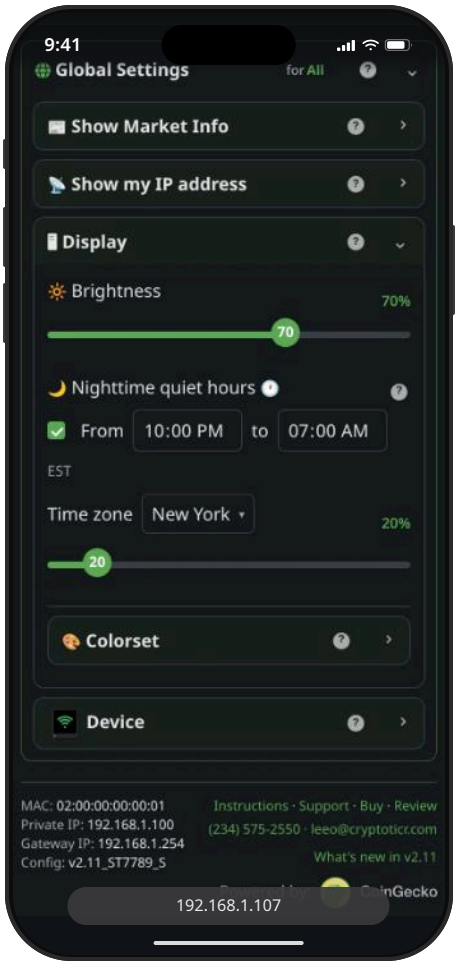
- On or off with the `Sector heat` switch, and the shared `Show every` / `for` schedule; see Market info cards.

Where to set it

`Display` → `Show Market Info` → `Sector heat`. Reference: Setting: Sector heat card.

Brightness and colors

Brightness



What it shows

The backlight level of the screen, as a percentage. Moving the slider changes the ticker at once; the page says `Brightness takes effect the moment you move the slider, no Save & Apply needed.`

The slider runs from ten to a hundred in steps of ten. It does not reach zero: the firmware holds the backlight to a floor of ten percent, so the lowest step is dim, not off. A ticker that appears off is either unpowered or in its quiet hours at a low night level; see The screen is dark or looks off.

The page's advice: `Set it to whatever looks right in your room. A gentle tip: the screen's backlight is my biggest power draw and my main source of warmth, and electronics generally last longest kept cool, so mid-range makes a good everyday choice. Full brightness is there for the spots that need it, like a sunny window.`

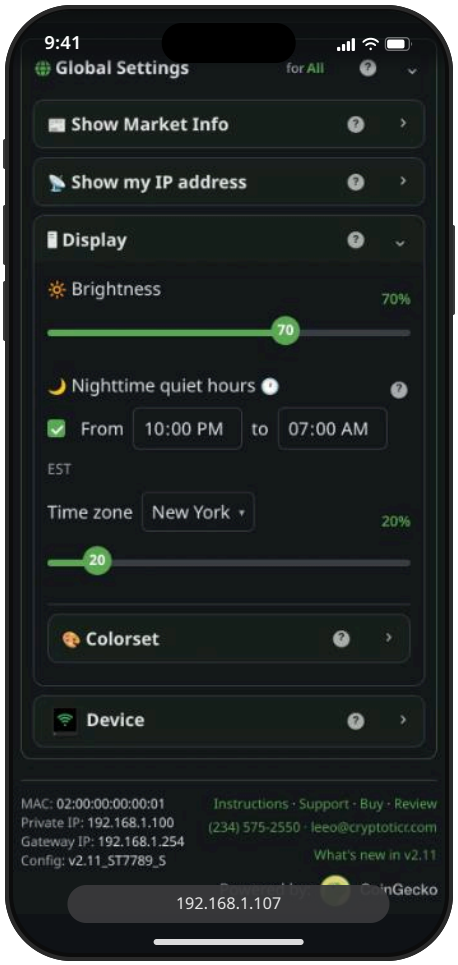
Options

- The slider is the daytime level. A second slider under `Nighttime quiet hours`, which the page's help calls the `Night level`, applies during quiet hours; see Nighttime quiet hours.

Where to set it

`Display` → `Brightness` on the settings page. Reference: Setting: brightness.

Nighttime quiet hours



What it shows

Between the `From` time and the `to` time the ticker runs at the night level, set with the slider under the times, instead of the daytime `Brightness`. The page's description: `Dim the ticker between two times, then bring it back. Handy on a bedside table or a desk you sit at in the evening.` Both levels apply the moment you change them.

The window is checked every second against the local time the ticker works out from its server's replies and your time zone. Crossing midnight is normal: ten in the evening to seven in the morning is one stretch. Setting both times the same means never dim.

Quiet hours stand down, and the ticker returns to the daytime level, whenever it cannot trust the time: it has no clock of its own, and after a day without a reply from its server it stops guessing. They also stand down during a firmware update and in setup mode.

Options

- A switch for the feature, `From` and `to` times, the time zone row, and a slider for the night level from ten to a hundred in steps of ten. That slider has no label of its own, only its percentage at the end of the time zone row; the page's help calls it the `Night level`.
- A night level above the daytime level is allowed; the page marks it `brighter than daytime`.
- The time zone is taken from your phone or computer the first time the page opens, and can be changed in the row under the times; see The time zone and how the ticker knows the time.

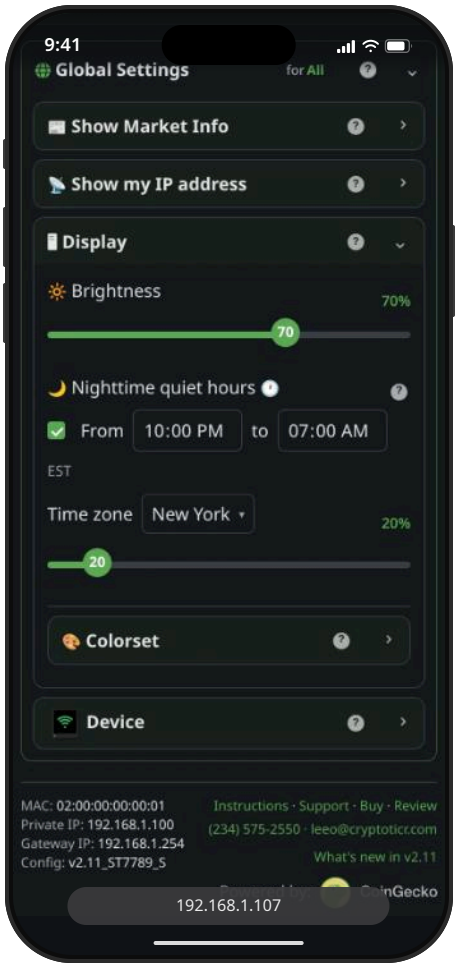
Where to set it

`Display` → `Nighttime quiet hours`. Reference: Setting: quiet hours on or off, Setting: quiet hours start time, Setting: quiet hours end time, Setting: night level, Setting: time zone.

Colorsets

What it shows

A colorset is the ticker's whole color scheme: the price's up and down colors, the chart line, the stats figures, the chart's helper lines, the title, and the small status colors. Tap a swatch on the settings page and the ticker changes at once; the page says `Tapping a swatch applies it instantly, no Save & Apply needed, so flip through them and watch the ticker change live.`



On the glass, choosing a set shows a short reveal: three blocks labeled `Up`, `Flat` and `Down`, a band of the set's other colors along the bottom, and the set's name. `Up` and `Down` are that set's own price colors; the middle one is the neutral gray a price that has not moved shows in, and it is the same in every set.





The names as the glass paints them: `Default`



, `Vivid` , `Colorblind` , `Acid Trip` , `Funky` , `Amber` , `Terminal Green` , `Tokyo` , `Neon` , `Toxic`

. The settings page labels the same ten `Default` , `Vivid` , `Colorblind` , `Acid Trip` , `Funky` , `Amber` , `Green` , `Tokyo` , `Neon` , `Toxic` .



`Colorblind` uses blue for up and yellow for down instead of green and red. `Amber` and `Terminal Green` are single-hue sets.

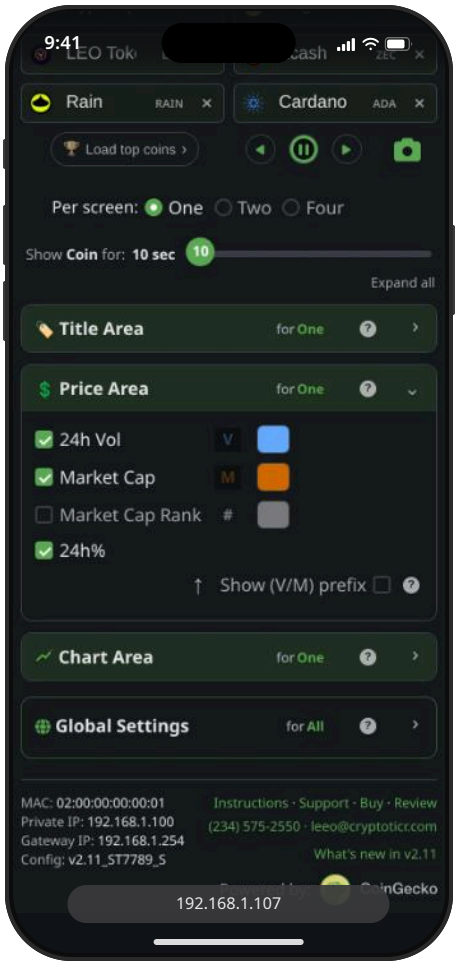
Options

- Ten sets. Each remembers its own custom stat colors and its own `Show (V/M) prefix` choice, so switching back brings back what you set for it; see Custom colors.
- The pause ring on the glass and the page's accents follow the chosen set.

Where to set it

`Display` → `Colorset` on the settings page. Reference: Setting: colorset.

Custom colors



What it shows

Beside `24h Vol`, `Market Cap` and `Market Cap Rank` in the `Price Area` controls sits a color swatch. Tap it to open a picker; the figure on the glass takes the new color as you choose.



The `24h Vol` figure shown here, and `Market Cap` and `Market Cap Rank` in their turn, are the three that take a custom color. The `24h%` cannot be recolored: it always wears the colorset's up and down colors, because its color is its meaning. It wears a neutral gray when it rounds to 0.00%, the same in every set.

The picker will not go to black, which would be invisible on the ticker: the brightness is held to a visible floor, and a typed-in black is bumped to a visible gray. A `Default` button beside an edited color returns that colorset's normal color.

Options

- Three colors per colorset, kept separately for each of the ten sets: `Choices are remembered per colorset, and Reset returns that colorset's normal color.`
- Colors are typed as a hex value or picked; both apply at once.

Where to set it

`Display` → `Price Area`, the swatch beside each figure. Reference: Setting: 24h Vol color, Setting: Market Cap color, Setting: Market Cap Rank color.

Keeping it running

Automatic firmware updates

What it shows

Nothing, most of the time. The ticker checks for newer firmware about five minutes after it starts and then about once an hour, and a check that finds nothing newer is silent. Only a check that finds a newer version changes the screen.

When there is a newer version the ticker first shows its two health cards, the Wi-Fi signal and the power supply, with a bottom line of `All good, updating now` or `Not great, updating anyway`. In the first minutes after power-up the power card has no verdict yet and says `Still measuring, updating now`. Then the update screen takes over.



The download screen carries `Updating` / `Firmware`, the version pair, `Keep me powered on!` in yellow, and two dim rows naming the file's build date and where it is coming from. Under them a phase label, a percentage and a progress bar run while the file arrives and is checked.

`Almost done!` closes it: the version now installed, `Keep me powered` / `on while I reboot!`, and what the download cost, for example `(Download: 1023 KB in 8.2s)`. The card stays up for seven seconds; two-thirds of the way through, a bar appears and sweeps across the bottom. Then the screen goes dark for about as long while the arriving image is moved into place, and the ticker restarts. When the release brings new coin artwork, about half an hour later the ticker shows `New artwork`, fetches about 1.8 MB of logos and restarts once more. See Icon updates.

The ticker refuses any file that does not pass its check: an interrupted or corrupted download is discarded and the current firmware keeps running. The power reading covers the download itself, so a supply that sagged under it can bring the power card up afterwards. What can go wrong is on A firmware update didn't finish.

Options

- **None on the settings page.** Updates are automatic and cannot be switched off by an owner; there is no check-now button either. A check runs by itself within an hour of any change on the server.
- **Weak signal** postpones a download: below the update line the ticker shows `Signal too weak` / `Postponing update.` and tries again at the next hourly check, up to ten times, after which it updates anyway. See Update postponed because the signal is weak.

Where to set it

There is nothing to set. The firmware version you are on is at the top right of the settings page, `Firmware:`. See Which firmware do I have?.

Restart the ticker

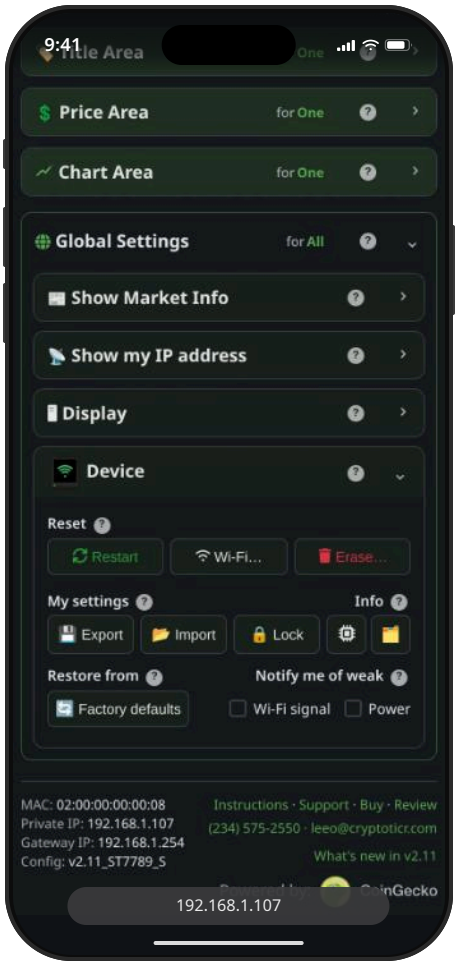
Every step with pictures, the phone and the ticker side by side: the Device page.

Before you start

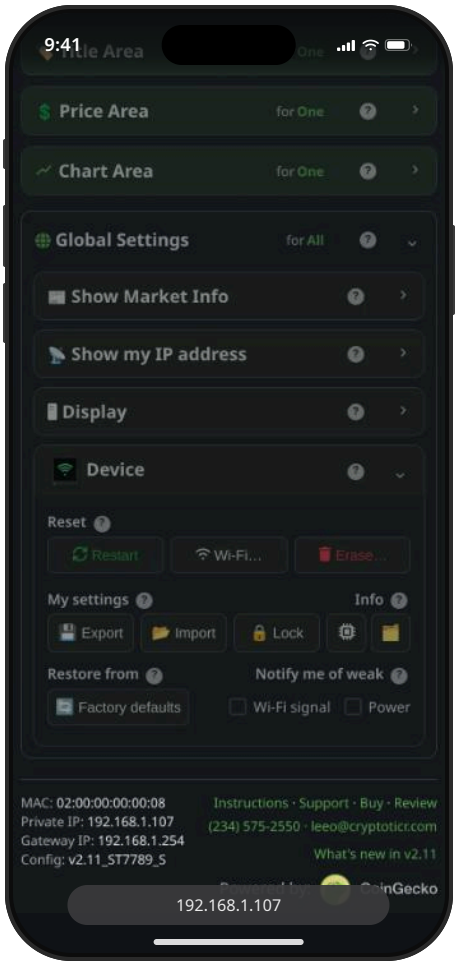
- Nothing is required. A restart keeps every setting and the Wi-Fi. Unplugging and replugging does the same for the ticker; the button saves you the walk. Two differences: the button never counts toward the five-restart factory reset, and it first saves any change still waiting to be written. A change that applies at once, such as brightness, is written about 30 seconds after your last one, so unplugging inside that time loses it.
- Do not restart during a firmware update. The `Updating` / `Firmware` screen says `Keep me powered on!` for a reason. See Automatic firmware updates.

Steps

1. Open the settings page and scroll to the `Device` section. The page describes the button: `Restart: restarts the ticker right away; it reconnects and carries on. Nothing is lost. (The universal first fix. It never counts toward the five-restart reset, which needs the power switched off and on.)`



2. Under `Reset`, tap `Restart`. There is no confirmation.
3. A bar appears at the top of the page: `Restarting. Nothing lost, and this page fills back in by itself.` The page dims while the ticker is away.



4. Watch the ticker: it goes dark, shows its start screen with `Connecting to:` and your network's name, then `My settings are here:` and the address, and returns to its coins.



5. When the ticker answers again the page reloads its data and shows `Back online, everything is as you left it.`

You're done when

- The ticker is cycling through its coins again and the page is live.

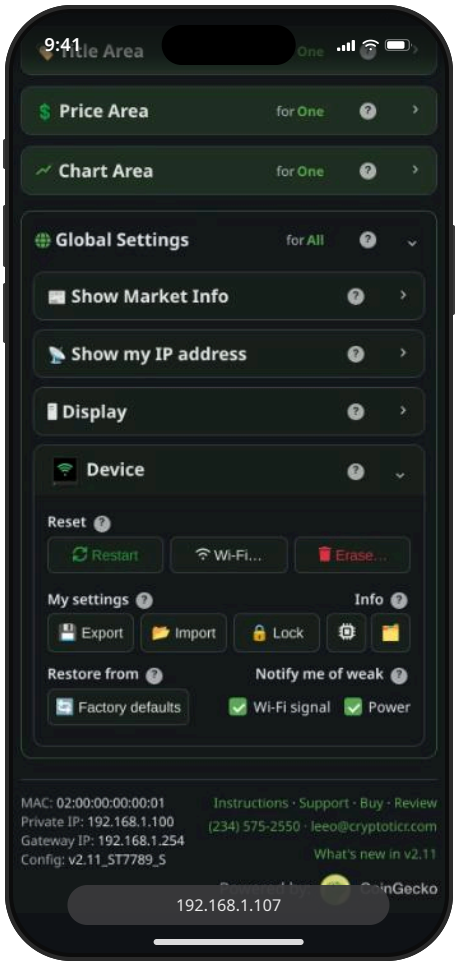
Problems?

- The page never came back: the address may have changed across the restart. See I lost the ticker's address.
- The ticker restarted again on its own afterwards: The ticker restarts by itself.

Export and import settings

Before you start

- The file holds everything on the page: coins, colors, timings, the popup rows, quiet hours. It does not hold the Wi-Fi network or password. The page says: `Export downloads everything on this page (coins, colors, timings, not Wi-Fi) as a small file named after the ticker and the date.`
- Import applies straight away, with no extra Save step.



Steps

1. Scroll to `Device` → `My settings`.
2. Tap `Export`. The browser saves a file named after the ticker and the date and time, ending in `.json`, and the page says `Settings exported.`
3. Keep the file somewhere you will find it: a backup before experimenting, or the way to copy a setup to a second ticker.
4. To load a file, tap `Import` and choose it. The page checks it is a settings file, applies it to the ticker, and says `Imported, saved and applied to your Ticker.`

You're done when

- After Export: the file is on your device. After Import: the page's coin boxes and controls show the file's values and the ticker has redrawn.

Problems?

- `Import failed: not a settings file`, or another import error: Import failed.
- The browser did not offer to save (some in-app browsers cannot download): open the page in Safari, Chrome or another full browser and export again.

Lock the settings with a password

Every step with pictures, the phone and the ticker side by side: the Device page.

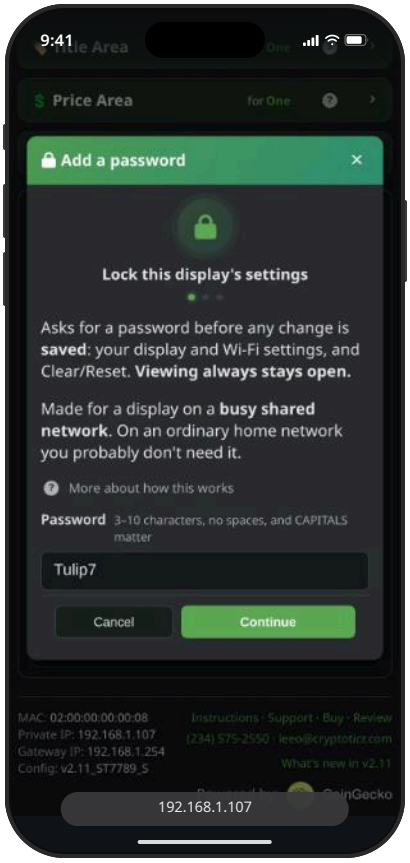
Before you start

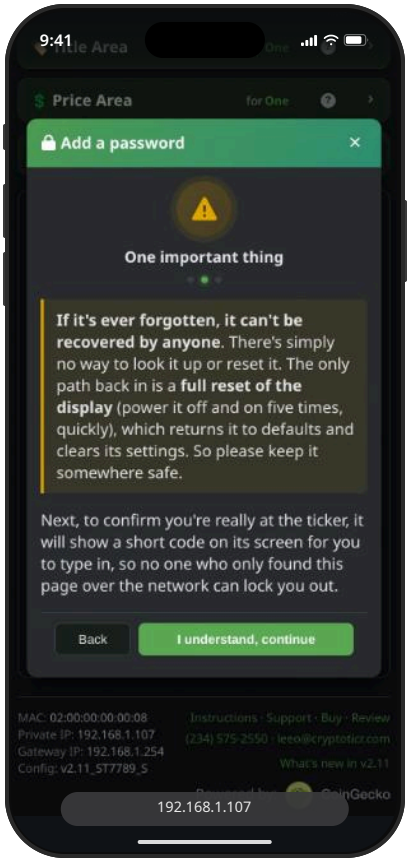
- The lock stops changes, not viewing. The page's words: `Asks for a password before any change is saved: your display and Wi-Fi settings, and Clear/Reset. Viewing always stays open.`
- It is one password for the ticker, for everyone on the network including you. Made for `a display on a busy shared network`; on an ordinary home network you may not need it.
- A forgotten password cannot be looked up or reset by anyone. The only way back is a factory reset. Keep it somewhere safe.
- Password rules: three to ten characters, printable, no spaces; capitals matter.

Steps

1. Open the settings page, scroll to `Device` → `My settings`, and tap `Lock`. A dialog opens: `Add a password`.
2. Type the password. Under three characters the page says `A little longer, please, at least 3 characters.` Tap `Continue`.
3. Read the warning headed `One important thing`: `If it's ever forgotten, it can't be recovered by anyone`. Tap `I understand, continue`.

Type a password **Read what it warns**



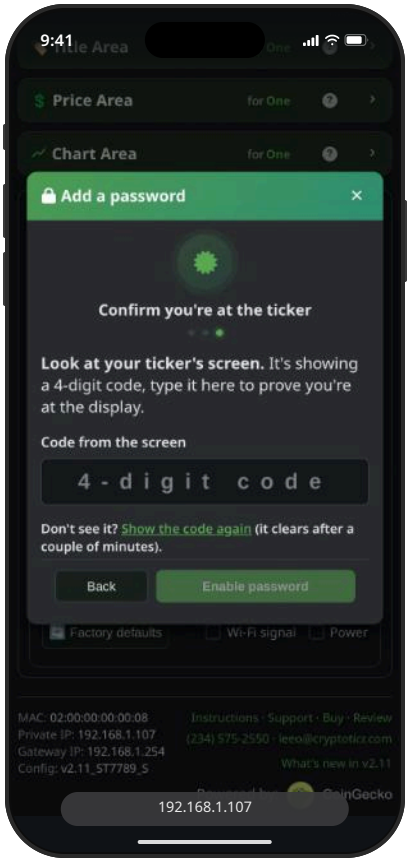


4. Look at the ticker. It shows `Password setup code`, a four-digit number, and `Type this on your phone`. The code proves you are at the ticker, `so no one who only found this page over the network can lock you out`. Read the code off the ticker itself: while a code is up, a settings-page screenshot is refused. Right after a restart the page may say `Still starting up, try again in a moment`; the first code can go up 30 seconds after the ticker starts.

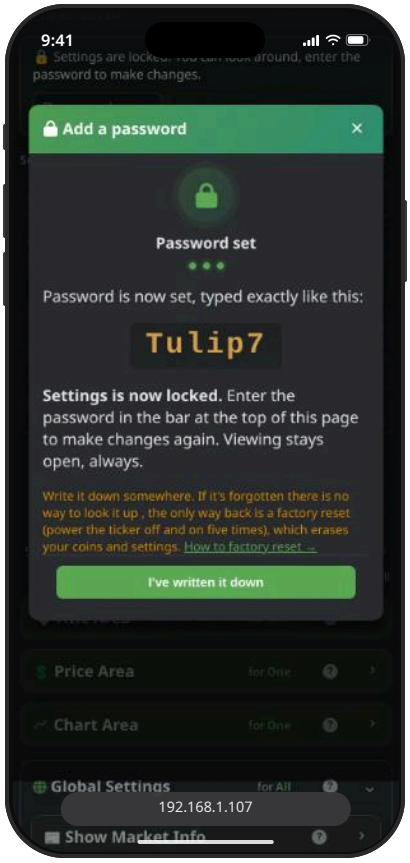


5. Type the four digits into `Code from the screen`. The page checks the code by itself on the fourth digit; `Enable password` does the same if you need it. A wrong code says `That code didn't match the one on your ticker. Try again: 2 more tries with this code.`, then `1 more try with this code.` The same code stays on the screen. After the third wrong try a fresh code goes up: `That code didn't match the one on your ticker. A fresh code is on the screen, try again.` A code lasts two minutes, and `Show the code again` asks for a new one. The ticker shows at most one new code every 30 seconds, so a second ask may say `Your ticker will show a new code in N seconds.` and then ask again by itself.
6. The final card confirms the lock. Tap `I've written it down`.

Then the four digits that unlock it



Locked



You're done when

- This browser is locked too: the page scrolls to the top, where a bar reads `Settings are locked. You can look around, enter the password to make changes.`, and `Lock` is gone from the `My settings` row. Type the password into that bar and tap `Unlock`; the row then shows `Unlock`. Every other phone or computer shows the same bar.

Problems?

- Every other browser now needs the password once: Using the page from several devices.
- Unlocking: type the password into the banner and tap `Unlock`; `Unlocked on this device.` A wrong one says `That password didn't match. Viewing is still fine.`; typing the four-digit code instead is caught with `Not that one, that's the 4-digit code from my screen…`. See Unlock refuses the 4-digit code.

- `Unlock` on an unlocked browser offers `Log out here` (this browser back to view-only) or `Remove password` (the lock gone for everyone).
- Too many wrong tries: Too many password tries. Forgotten: I forgot the settings password.