

BLOCKCLOCK mini API Cheat Sheet

A single page guide to the most useful API commands to personalize output

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Using the API

- You can use either the [curl](#) command or your [web browser](#)
- Using curl is more practical for scripting sequences.
- You need the IP address of your BLOCKCLOCK mini on the network
- Compose the entire API call like this <http://{ip-address}/{api}>. For example, if your BLOCKCLOCK mini is at IP **21.21.21.21**, and you want to flash the lights, then you would use **http://21.21.21.21/api/lights/flash**
- If you've set a password on your BLOCKCLOCK mini, then use curl and pass the following options: `--digest -u :{password}` before the full url

Displaying Large Text

- To show a text value, use [/api/show/text/{FOO}](#) where {FOO} is the text to show
- It will be right padded into the seven available panels
- Extra characters will be trimmed from the left side if its too long
- Dot and comma can combine with left-adjacent character, so strings like "1,234,567" can be displayed even though they are longer than 7 characters because "1" and "4" will be shown in a single position

Data Panels

- Use [/api/pick/next](#) to move to the next data tag in your programmed sequence
- Use [/api/pick/{tag.name}](#) to display the indicated tag.
- Use [/api/pick/redraw](#) to redraw the current tag
- Some available tags are

cm.blockchain.block_height
cm.markets.price
cm.markets.sats_per_dollar
cm.mempool.vsize
cm.nextblock.median_fee
datetime.world.b
halvening.expected
holidays.hodl_day.next

- The above is just a small sampling. There are hundreds of different useful data tags that you can see in the Display Setup

Displaying Small Text a.k.a . Over/Under Text

- To show over/under text in a specific panel, use the following format [/api/ou_text/{0..6}/{over}/{under}](#)
- The panel positions are from left (0) to right (6)
- The {over} and {under} text can support a max of 4 characters, sometimes 5 or more if they are narrow.
- Text is centered horizontally. You can add a series of periods before or after to aid in alignment

Decorations

- These are provided as query string arguments.
- `tl={top left}` tiny text message
- `br={bottom right}` tiny text
- `pair={over/under}` in panel 0
- `sym={symbol}` to add currency symbol to left of number if space is available. Available symbols are

bitcoin	litecoin
USD	\$

Displaying Numbers

- To show a numeric value, use [/api/show/number/{N}](#) where {N} is the number to show
- Numbers will be right justified to seven available panels

Displaying Images

- To show an image in a specific panel, use [/api/image/{0..6}/{image name}](#)
- The panel positions are from left (0) to right (6)
- At this time, image names available are

bitcoin	litecoin
bar	od_wordmark
register	honey

- Support for arbitrary images is not available at this time

Lighting Effects

- Lights can be turned on to a set color with optional white using RGB based hex codes
- Use [/api/lights/{R}{G}{B}{W}](#) where {R} is amount of red, {G} is amount of green, {B} is amount of blue, and {W} is white affecting lightness. For example [/api/lights/FF00FF40](#) is purple
- Use [/api/lights/off](#) to immediately turn off lights
- Use [/api/lights/flash](#) to do preconfigured animation when value changes normally

Actions

- Use [/api/action/pause](#) to turn off automatic updates
- Use [/api/action/update?rate=5](#) to restore automatic updates. The value for rate is in minutes
- Use [/api/action/powerdown](#) to power down
- Use [/api/action/reboot](#) to reboot the system
- Use [/api/action/clear_menu](#) to cancel any menus being shown restoring normal data display

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