

Instruction Manual and Device Details

Powered by CoinGecko API

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1 Keyboard Instructions

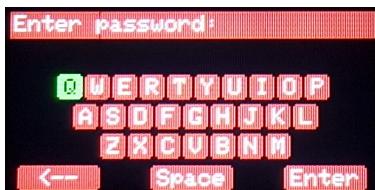
The keyboard is used to enter the WiFi password into the device.

1.1 Input Modes

- Lower case (a-z) : Default, activate with 1



- Upper case (A-Z) : Activate with 2



- Numerical (0-9) : Activate with 3



- Special Characters : Activate with 4



1.2 Interaction

- 1 : Select lower case mode
- 2 : Select upper case mode
- 3 : Select numerical mode
- 4 : Select special character mode
- → : Select key to the right
- ← : Select key to the left
- ↑ : Select key above
- ↓ : Select key below
- OK : Press current key

1.3 Button Actions

- Key : Append corresponding value to current input
- ← : Backspace
- Space : Append space to input
- Enter : Submit current input
- Help : Display instructions for 5 seconds

2 Initial Setup/Configuration

When the device is powered on, it will check if there are WiFi credentials saved in the EEPROM. If there are no credentials, it will automatically scan and present available networks (sorted by strength). If your network does not appear, make sure the device is closer to the router, especially if there are lots of networks nearby.



To select your network, use the ↑/↓ keys on the remote to select your network SSID, and press **OK**.

The keyboard will appear and you can now use it to enter the password of your network (refer to *Keyboard* section for usage instructions). Once the password has been entered, it attempts to establish WiFi connection with provided credentials. If the connection fails for any reason, the device will start the initial setup sequence again until a connection succeeds.



3 Mode Details

There are two display modes on the device: *Single Coin* and *Portfolio*.

3.1 Single Coin

This mode displays a single coin at a time; the current price, 24 hour % change, candle chart, and bitmap (if available) are displayed.



3.1.1 Interaction

- ↑/↓ : Change to *Portfolio* mode
- → : Navigate to next coin

- ← : Navigate to previous coin
- OK : Open menu

3.2 Portfolio

Displays the configured portfolio in various representations, this portfolio is configured in the *Edit Portfolio* sub-menu.

3.2.1 Representations

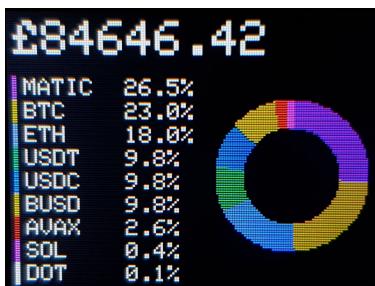
- **Decomposition** - Displays all of the assets that comprise users portfolio, displaying the current value of the amount of said asset owned, and its 24 hour % change. As well as a line that shows how each asset contributes to users portfolio.



- **Candle Chart** - Displays a candle chart indicating the performance of users portfolio, the time of each candle can be changed in the *Portfolio Settings* sub-menu.



- **Asset Ratio** - Displays the % of users portfolio value that each asset contributes, these percentages are visually represented with a doughnut chart.



3.2.2 Interaction

- ↑/↓ : Change to *Single Coin* mode
- → : Navigate to next portfolio representation
- ← : Navigate to previous portfolio representation
- OK : Open menu

4 Menu

The menu allows customization, namely changing and adding new coins, configuring the portfolio, changing device settings, and clearing saved configuration.



4.1 Accessing Menu

To access the menu, press the **OK** key on any of the two modes.

4.2 Interaction

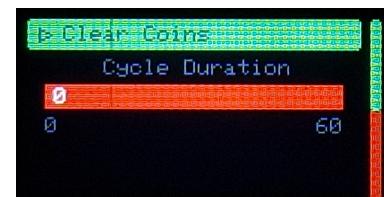
- ↑ : Select element above currently selected
- ↓ : Select element below currently selected
- OK : Enter selected sub-menu/press selected element
- # : Return to previous page (if main menu, exit menu)

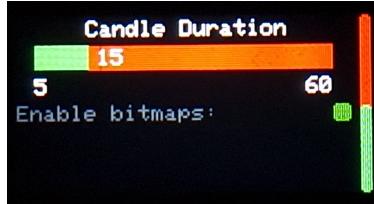
4.3 Sub-menus/Buttons

- **Customize** : This submenu contains options for selecting different coins to be displayed in *Single Coin* mode, configuration of portfolio coin amounts, and currency selection.

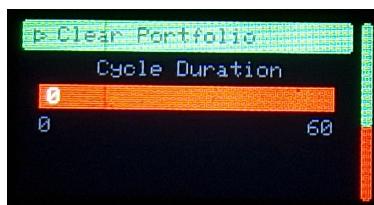


- **Select Coins** : Entering this page allows selection of the coins displayed on the *Single Coin* mode - refer to the *Changing Displayed Coins* section.
- **Edit Portfolio** : Entering this page allows changing portfolio coin amounts - refer to the *Modifying Portfolio* section.
- **Currency** : This lets you change the currency the device uses.
- **Crypto Settings** : This submenu contains options for customizing the *Single Coin* mode display.





- **Clear Coins** : This will deselect all of the coins (so they will not be displayed in the *Single Coin* mode anymore), except the first, as one coin must be selected at all times.
- **Cycle Duration** : This is the duration that a single coin is displayed on the screen before the next coin is displayed, if it is set to 0, the cycle will be disabled (but the \leftarrow/\rightarrow can be used to manually cycle).
- **Candle Duration** : This is amount of time in minutes each candle in the candle chart represents, i.e. after the selected minutes, the next candle will start.
- **Enable Bitmaps** : If this checkbox is deselected, the bitmaps for the *Single Coin* display will no longer be displayed - giving a slightly more minimal appearance.
- **Portfolio Settings** : This submenu contains options for customizing the *Portfolio* mode display.



- **Clear Portfolio** : This will set the amount for every coin in the current portfolio to 0 (and also remove the amounts from persistent memory).
- **Cycle Duration** : This is the duration that each portfolio representation is displayed on the screen before the next coin is displayed, if it is set to 0, the cycle will be disabled (but the \leftarrow/\rightarrow can be used to manually cycle between representations).
- **Candle Duration** : This is the amount of time in minutes each candle in the candle chart represents, i.e. after the selected minutes, the next candle will start.
- **Storage Settings** : This submenu contains options for clearing persistent settings and viewing memory status.



- **Reset Settings** : This will reset everything on the device to default, including the portfolio and selected coins.
- **Clear WiFi Info** : This will clear the saved WiFi credentials from memory, when the device is next rebooted, it will perform the initialization procedure again.
- **Memory Info** : If you have issues with crashes, you can check the state of the memory here (useful for debugging, not needed for normal usage).

4.4 Connection Status

The device attempts to refresh the prices every 60 seconds to avoid rate limits on the free CoinGecko API.

If the device loses connection to the network, it will keep trying to reconnect to the network.

When a price refresh is occurring, a small white dot appears in the top right corner. If the refresh is successful, it will turn green. If the refresh fails, it will turn red - this could be due to a network issue, or the CoinGecko API being down.

If you see that refreshes are failing frequently, move the device closer to the router, as it is likely becoming disconnected frequently.

5 Changing Displayed Coins

This section will explain how to use the *Select Coins* submenu to change the configuration.



5.1 Steps

1. Press # to enter menu
2. Navigate to the *Select Coins* option in the menu using \uparrow and \downarrow buttons
3. Press **OK** button to enter sub-menu
4. Use the arrow keys to navigate to the coin you would like to add (currently selected coin will have black text)
5. Press **OK** to add the coin (it will turn green) (also, pressing **OK** on a green coin will deselect it)

6. Once coins are changed to liking, use # to exit the sub menu
7. Use # to exit menu and return to the main interface

6 Modifying Portfolio

This section will detail how to modify the portfolio using the *Edit Portfolio* sub-menu.



6.1 Steps

1. Press # to enter menu
2. Navigate to the *Edit Portfolio* option in the menu using ↑ and ↓ buttons

3. Press **OK** button to enter sub-menu
4. Once in the sub-menu, navigate to the coin that needs to be altered
5. Press **OK** to open the amount editor at the bottom of the screen
6. Use the editor to change the amount of coin owned:
 - **First OK Press** : Add decimal point to input
 - **Second OK Press** : Save amount to coin
 - **Number Keys** : Enter the desired amount
 - * : Clear current value
 - # : Remove the current value and return to coin select screen
7. Enter amount, press **OK** to add decimal point, add digits after decimal point, press **OK** to save value to coin
8. Press # to exit the portfolio editor
9. Use # to exit menu and return to the main interface