SmallTV Pro User Manual V3.2.52EN

In this manual, we will show you how to use it with a few short questions, some simple uses will not be introduced here, please email us if you have any questions.

1. Hardware & Power?

Product Size: 45mm x 35mm x 40mm

Screen :1.54 inch 240x240px tft IPS display

CPU: ESP32

Power supply: 5V DC with 1A and up. Voltage should not over 5V which may cause damage.

Touch Button: Touch sensor.

No battery inside.

2. How to control?

Tips: When power on, keep the device in steady situation, the touch sensor on top will auto initial it's status, don't put your fingers on the top of it, or the button will not work properly.

Control:

- short click: switch to next screen, move right.
- double click: switch to previous screen, move left.
- long press: enter into app or exit from app.

FAQ: Touch does not work?

ANSWER: Please try different power cable or adapter, usually works.
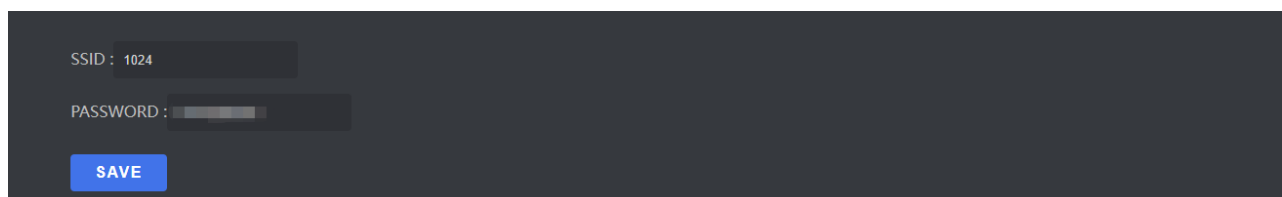
3. How to connect to internet?

3.1 The first time you power it on, it will connect failed and enter into AP mode, there will be a hotspot "SmallTV PRO" with empty password. Use your phone or computer connect to this hotspot.

3.2 Open your web broswer, and visit http://192.168.4.1/ (the other website is not available now)

3.3 Click the "Network" on the webpage, you could choose "Scan" or input manually to save the WiFi info.

1. Scan WiFi

SCAN

Networks found: 13
Tips: **Please select strong signal WiFi, 5G is not supported.**

Channel	WiFi	Safe	Signal	SELECT
1	1024	🔒	-38	SELECT
11	1024	🔒	-59	SELECT
11	1502	🔒	-67	SELECT
4	CMCC-FSfD	🔒	-76	SELECT
1	SmallTV PRO		-83	SELECT

3.4 After WiFi info is saved, it will reboot to connect, there will be messages shown on the screen.

SSID : 1024

PASSWORD :

SAVE

3.5 Once the connect is success, the "SmallTV PRO" hotspot will be closed, then how we could change the setting again?

Now you could observe the screen when power on, there will be a new IP address, or you could switch to the "Settings" app, and check the IP address, like what we do in 3.2, now visit the new IP address.(Make sure you connect to the same WiFi, the PRO device connected.)
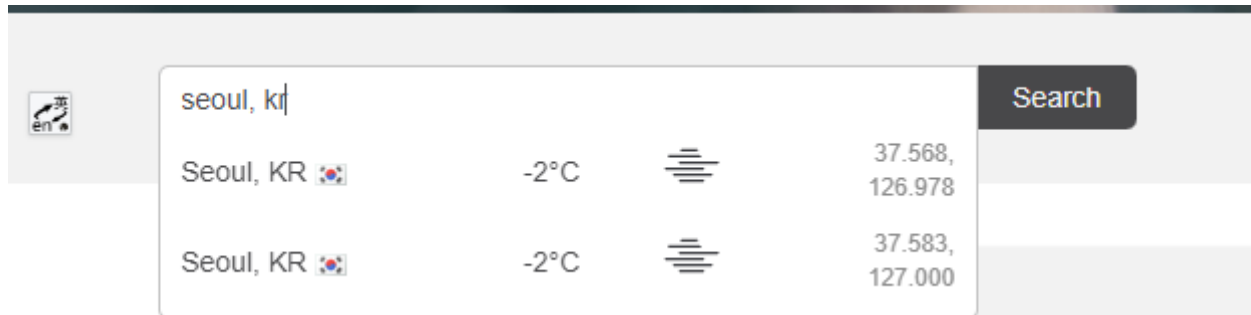
4. How to set city code in weather?

After internet is connected, and now we are able to visit the webpage with a new IP address.
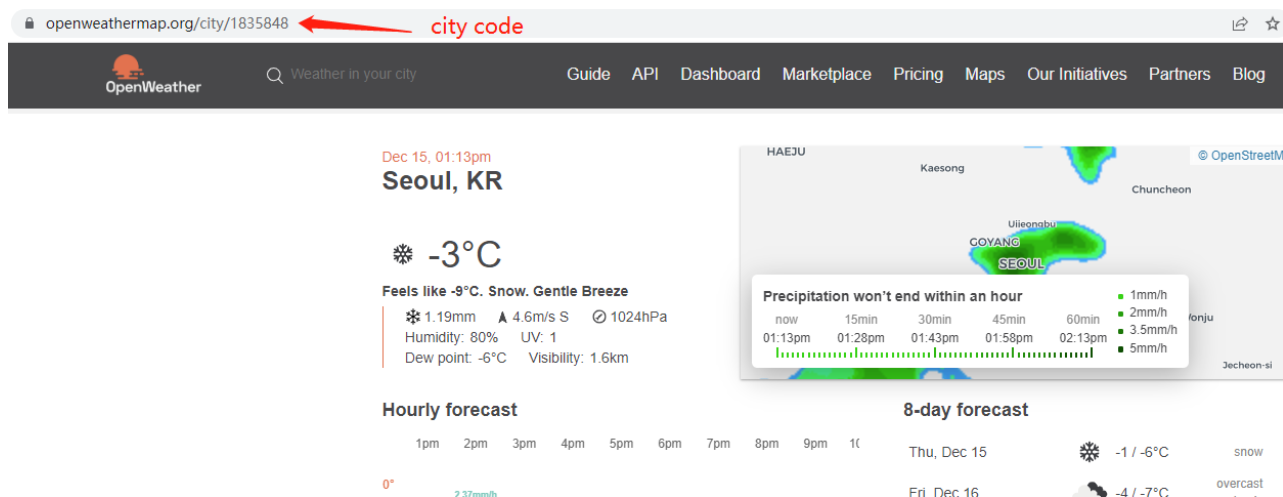
Click the "Weather" table.

4.1 How to find your city code?

The weather info is synced from this website https://openweathermap.org/find, take "Seoul, KR" for example:

Click the results, this will lead you to the weather details of Seoul, KR.

the tail number of the link address https://openweathermap.org/city/1835848, **1835848 (only number)** is the city code of Seoul,KR. Then we copy this number, pasted in the below section, and click "save" to make it effective.

4.2 Copy the code and save it.

The weather will be updated in later seconds once saved.

Newer version firmware is easier, you could just set your city name directly, like "Seoul", the capital city of Korean, but if there're many cities with the same name, you need to find the correct city code.

4.3 Need I change the API key?

Change it if you know what API key is, it could be more stable and will the possible of higher update rate.

But do not change the API key if you haven't got one or don't know what the API key means.

5. How to set US stock code?

The stock data comes from yahoo.com.

You could set stock code like this, AAPL for Apple.Inc

By the way, you may find the Stock APP does not only support stock prices, cryptocurrencies, exchange rate and even gold price is supported, but you need to find the correct symbol at finance.yahoo.com.

Symbol examples here:

"BTC-USD", the bitcoin price in USD.

"BTC-EUR", the bitcoin price in EUR.

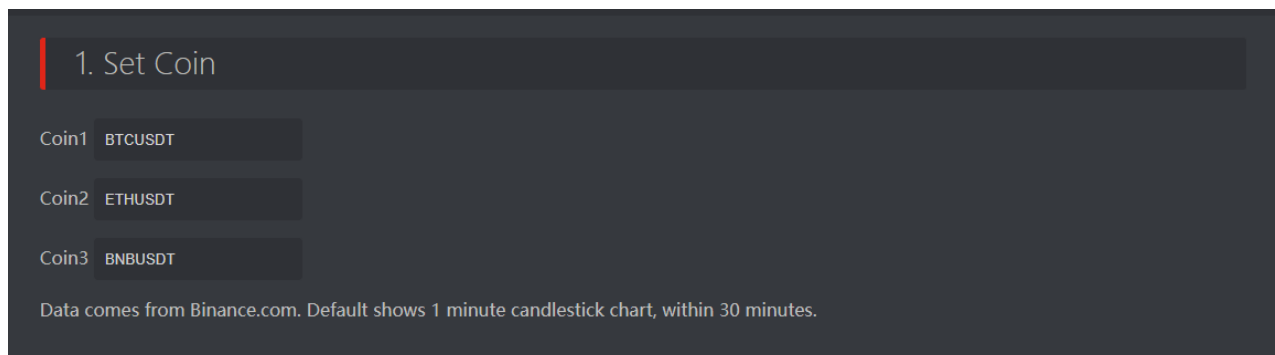"EURUSD=X", the EUR to USD forex rate.

"GC=F", the gold price.

ERROR symbol will stop the screen.

6. How to set cryptocurrency code?

The cryptocurrency data comes from api.binance.com.

The coin symbols need to be set again when you upgrade from old firmware version.

Notice there's a "USDT" at the end of symbol.
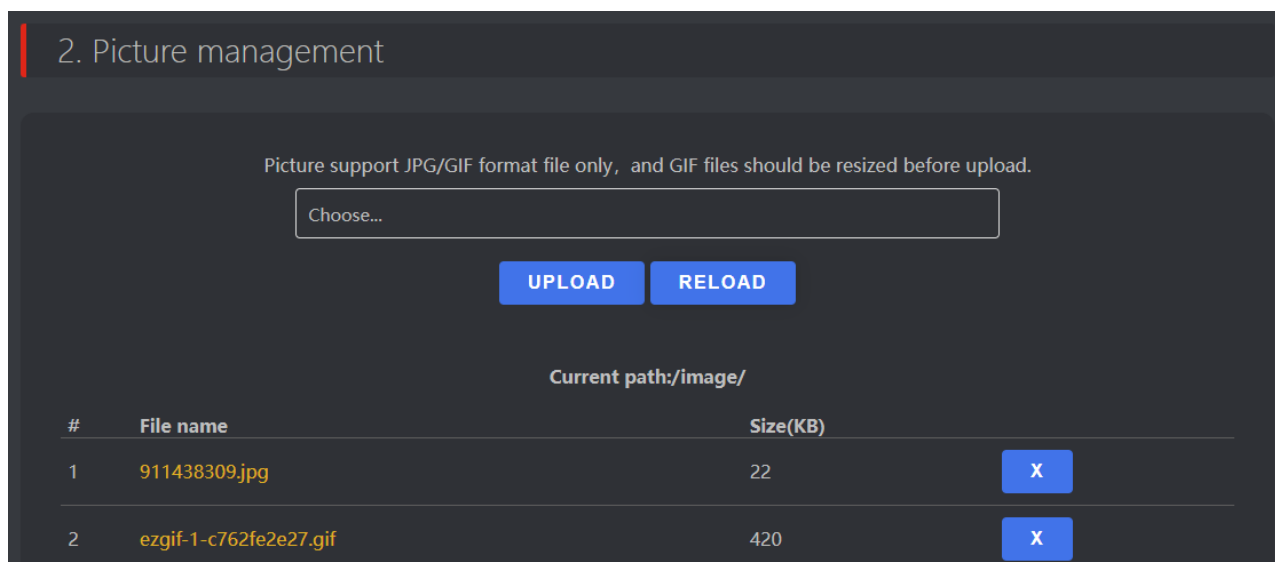

7. How to upload images?

The "Picture" app support file format jpg/jpeg/JPG/JPEG, gif/GIF.

Image file max size is 240x240px.

GIF files need to be cropped or resized manually, ezgif.com is highly recommened for this.

JPG files could be croped when upload.

And the gif in the weather app cloud also be customised, size is 80x80px.

8. FAQs

Trouble shooting:

1) The screen flickering? Or could not power on?

A: Try change another usb cable or power adapter, the related to unstable power supply.

A: Type-c to Type-c USB are not supported, it's better to use our cable instead.

2) Can't connect to my router?

A: Make sure it's 2.4G hotspot, double check the SSID and the password is correct. If it's a WIFI6 2.4G network, especially it's ASUS WIFI6 routers, there maybe compatible issues.
Method 1, close the 802.11ax options which will close WIFI6 features.
Method 2, create a guest 2.4G hotspot without 802.11ax options, and connect the gadget to this AP.
Method 3, contact online help from us.

B: Check your WiFi name and password is saved correctly on the webpage, the webpage will read the saved info after loaded.

C: Make sure the 802.11 b/g mode is enabled in your router's WiFi settings.

D: Try different power and cable, this sometimes works.

E: Reboot your router, sometimes works.

F: Try connect it to your phone's hotspot use the Manually input method.(Make sure you have set your phone's hotspot to 2.4G channel only, and if is an iPhone, please turn on the Max compatiblity switch in the hotspot settings)

G: If it is a company WiFi with authentication which need account info will fail, please change to other kind of WiFi.

H: **If connected to a guest network, the network topology needs to be "Home/Internal guest", not "External guest".**

3) Where and how to update firmware?

A: There will be update info in the item description when there's a updated version, please follow our store to get notification. New firmware and instructions could be sent via email.

B: We got a community here, welcome bug report, suggestions.

https://github.com/GeekMagicClock/smalltv-pro.

There's much potential in this product, I hope you could join and we could make it better than ever, just for fun~

Support mail for any questions: ifengchao1314@gmail.com.