

**GeekMagic**  
**SmallTV-Ultra Smart WiFi**  
**Weather Forecast Station**



# GeekMagic SmallTV-Ultra Smart WiFi Weather Forecast Station User Manual

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# GeekMagic

**GeekMagic SmallTV-Ultra Smart WiFi Weather Forecast Station**



### Specifications:

- **Product Size:** 35mm x 39mm x 45mm
- **Screen:** 1.5 inch 240x240px TFT IPS display
- **Power supply:** 5V DC with 1A and up. Voltage should not exceed 5V to prevent damage.

### Product Usage Instructions

#### Setting Up:

Connect your device to the same WiFi network as your smartphone or computer. Open a web browser and enter the new IP address to access the configuration page for personalized settings. Watch this [video](#) for reference.

#### Updating Weather Information:

**Method 1: Input City Name** Simply input the city name in English, e.g., "Seoul" or "Seoul, KR".

#### Method 2: Finding City Code

1. Open [this URL](#).
2. Enter your city name and click Search.
3. In the search results, click on your city's name to get the city code.
4. Input your city code on the Weather page and click Save for immediate weather updates.

Contact customer support if you encounter any issues.

#### Picture Display:

Images should not exceed 240×240 pixels. In auto display mode, JPG images can transition with a set interval, while GIFs play continuously. You can freely select images if automatic playback is turned off. Delete images as needed; approximately 1MB of space is available for customization. Use [ezgif.com](#) for creating GIFs.

#### About Time:

Do not enable DST if not used in your country to avoid time discrepancies.

#### Additional Information:

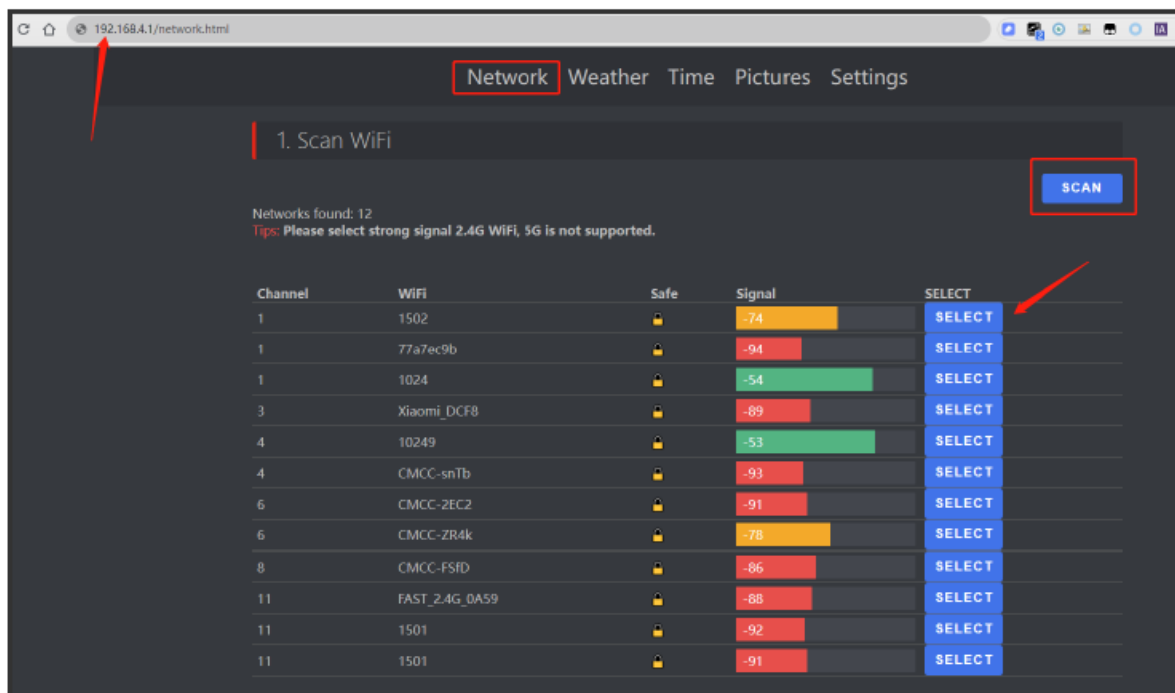
Your feedback is welcome at [GeekMagic@163.com](mailto:GeekMagic@163.com). Have a great day!

## Basic Information

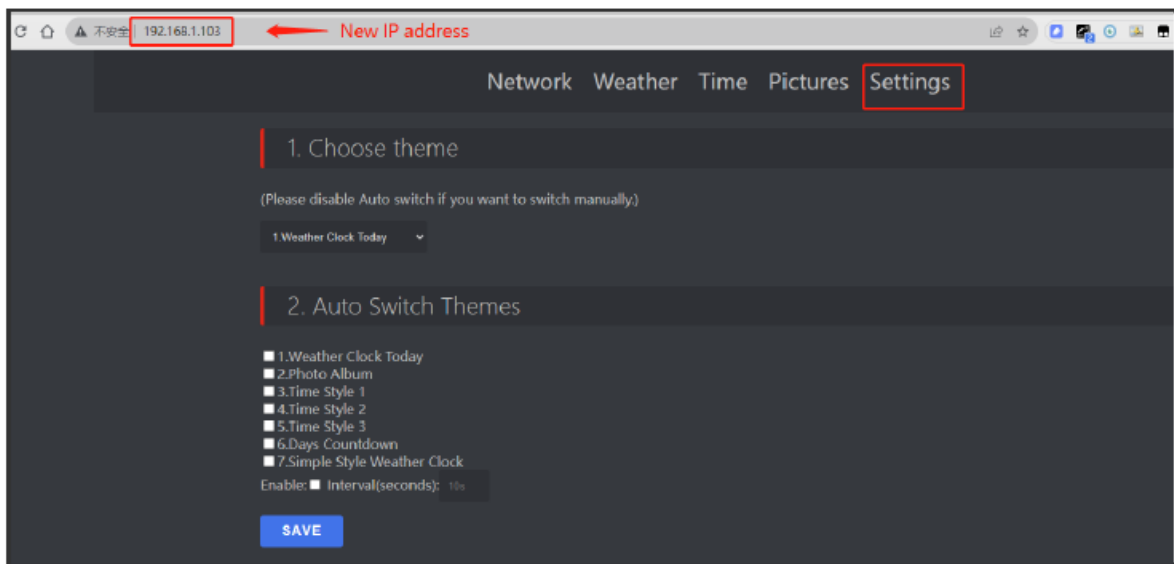
- **Product Size:** 35mm x 39mm x 45mm
- **Screen:** 1.5 inch 240x240px TFT IPS display
- **Power supply:** 5V DC with 1A and up. Voltage should not over 5V which may cause damage.

## How to set it up?

- Upon startup, the device will attempt to connect to the network based on the recorded WiFi information. If the connection fails, it will enter AP (Access Point) mode and activate its own hotspot named "GIFTV." If the connection is successful, it will enter STA (Station) mode and disable its own hotspot.
- When you first power on the device, it will be in AP mode. In this state, use your smartphone to connect to the WiFi network named "GIFTV" (some phones may show a "no internet" warning; please ignore this). Then, open a web browser and visit the console address <http://192.168.4.1>. This will take you to the web-based control panel for configuration.
- Tips: If you can't visit that IP after all the correct steps, please try close your mobile data first, some smart phone will block the WiFi if it find the WiFi is not internet available.
- First, click on "Network," and select "Scan" to search for nearby WiFi hotspots. Choose your WiFi network and enter the password to save it. The device will then restart to establish a WiFi connection. If the connection is successful, the IP address after connecting will be displayed on the screen. You can make a note of this address, but it's not necessary as it will be shown every time after successful connection upon startup.



- Next, use your smartphone or computer to connect to the same WiFi network(Your own WiFi network). Once connected, open a web browser and enter the new IP address. This will take you back to the configuration page, where you can make additional personalized settings.



- Video here for your reference.

## How to update weather info?

### 1. Method 1

Input city name in English directly, for example, the city Seoul, just type in “Seoul” is OK, or “Seoul,KR” is OK too.

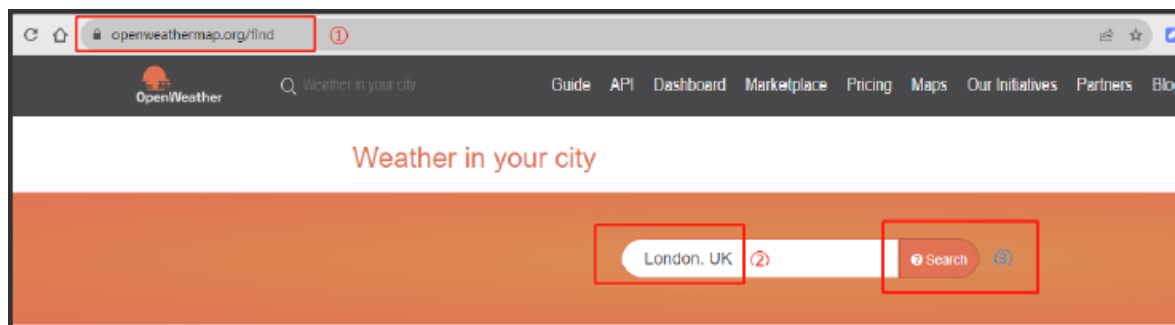
### 2. Method 2

If the city name is not a unique one, that is there are more than one city with the same name, you may need to find the correct city code.

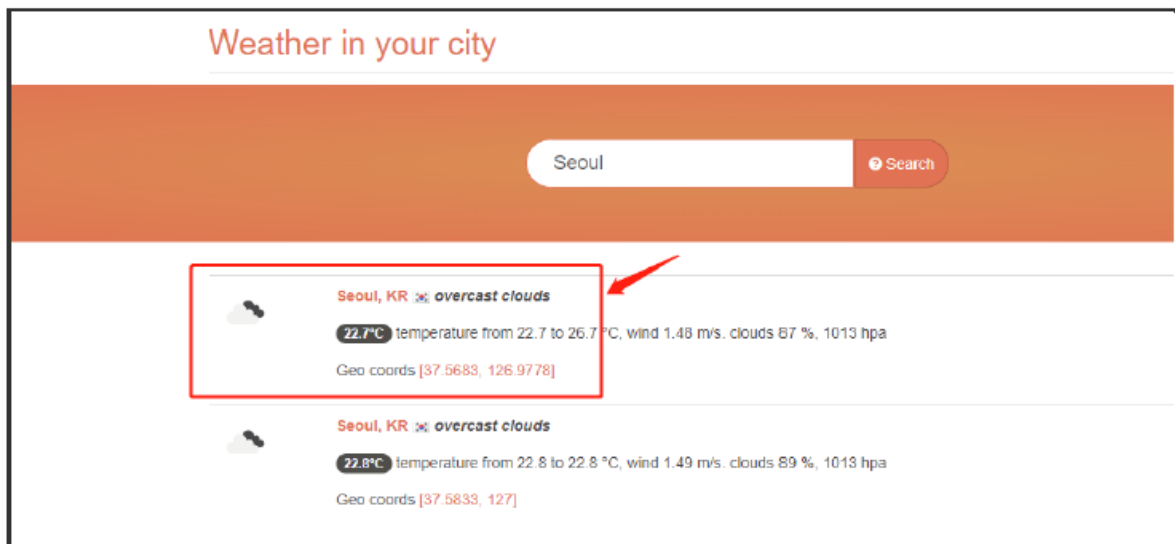
#### Here are the steps:

After successfully setting up your device for internet connection, you can access the Weather page on the control panel. To do this, you will need to find your city code. You can search for it here:

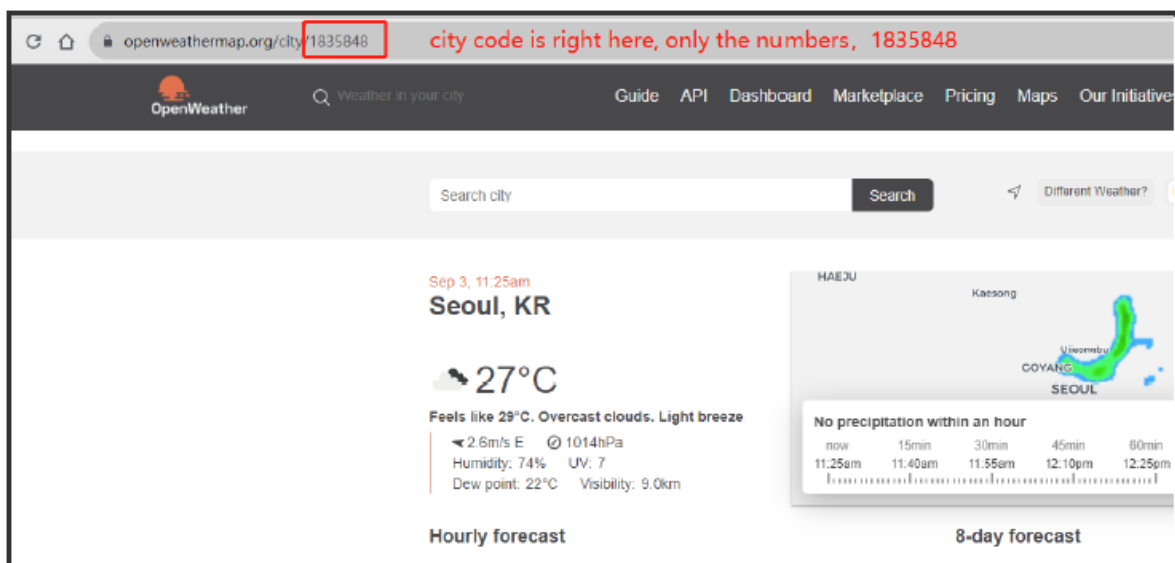
1. Step 1: Open the following URL: <https://openweathermap.org/find>



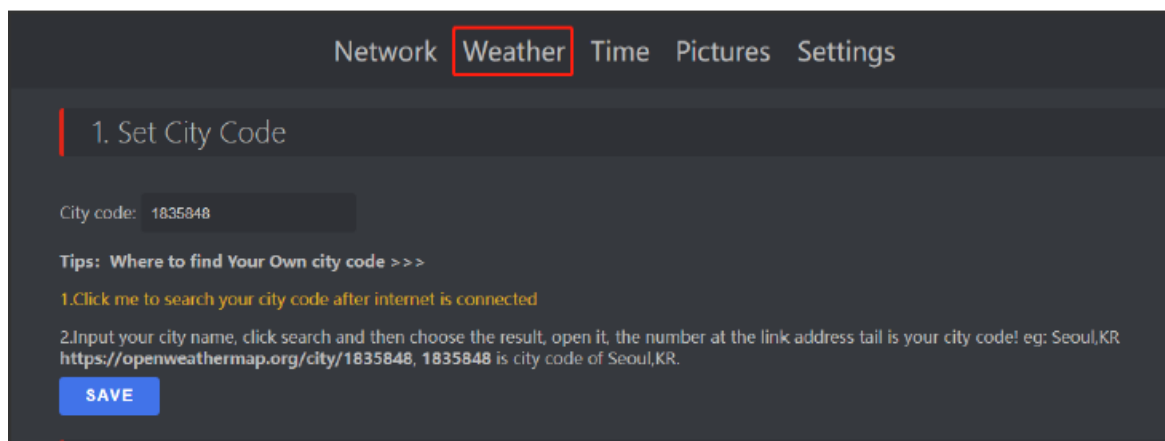
2. Step 2: Enter your city name, for example, “Seoul,” and click on the “Search” button.
3. Step 3: In the search results, click on your city’s name. This will open a new webpage link.



4. Step 4: Locate your city code. It should be a sequence of pure numbers found at the end of the URL address.



5. Step 5: On the Weather page, input your city code, which in this case is “1835848,” and then click “Save.” The weather information should update immediately.



If you encounter any issues, please feel free to contact our online customer support for assistance. You can also reach out to us via email for further communication. We are here to help!

#### Tips:

- If you use your own API key, you will have the advantage of a higher weather update frequency. When using a

public key, the update frequency is fixed at once every 20 minutes. If you do not understand what is API key, please do not modify it.

- Gif size in the weather screen is fixed 80x80px, large gif file not fit the area.

## Picture Display

### Instructions:

- Images support a maximum pixel size of 240×240 pixels; please ensure that your images are within this range.
- In auto display mode, JPG images can have a set interval for transitioning, while GIFs will play continuously to the next.
- If you turn off automatic playback, you can freely select which image to display.
- All images can be deleted, with approximately 1MB of space available for customization.

**Tip:** For creating GIFs, we recommend using the free GIF-making website, [ezgif.com](https://ezgif.com).

Network Weather Time **Pictures** Settings

### 1. Auto display

Enable image auto display: ☒

JPG image display interval:  s(seconds)

**SAVE**

### 2. Picture management

Picture support JPG/GIF format file only, and GIF files should be **resized** to 240x240px before upload.

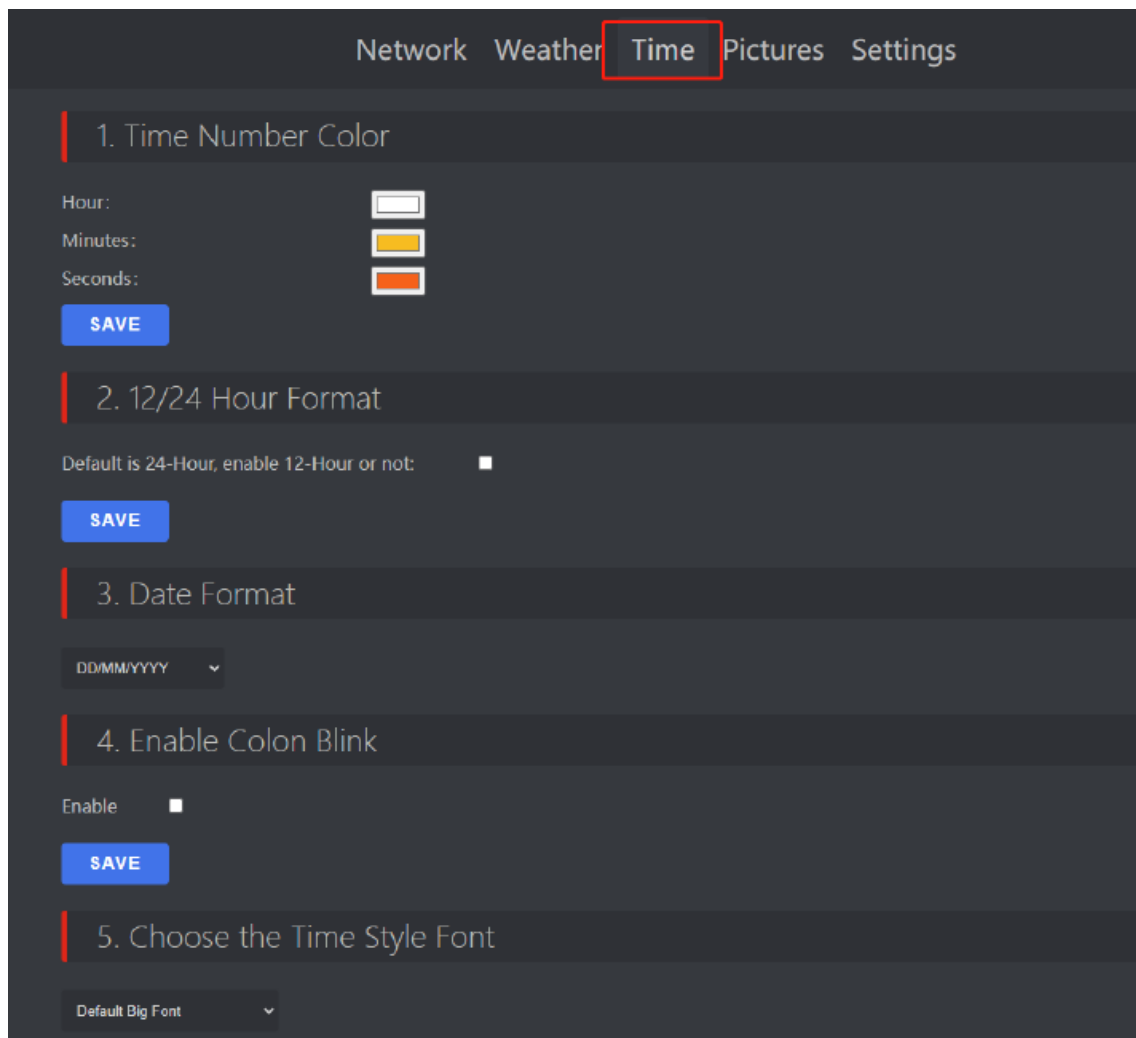
**UPLOAD** **RELOAD**

Free Space:231KB, Current path:/image/

#	Name	Size(KB)		
1	ezgif-1-075b8ad995.gif	146	<b>X</b>	<b>SET</b>
2	ezgif-1-8444910314.gif	652	<b>X</b>	<b>SET</b>

### About Time

Do not enable DST if it is not used in your country or area. There may be 1 hour ahead if you enabled.



## Others

Your advices are highly welcomed, feel free to contact [GeekMagic@163.com](mailto:GeekMagic@163.com). Good luck and happy everyday!!!

## Trouble shooting & FAQ

### 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.
  1. Method 1, close the 802.11ax options which will close WIFI6 features.
  2. Method 2, create a guest 2.4G hotspot without 802.11ax options, and connect the gadget to this AP.
  3. 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 compatibility 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.

We are 100% confident that the WiFi connection will be successful, please contact us if you need help, ask directly from the support mail: [GeekMagic@163.com](mailto:GeekMagic@163.com), and developers will help.

### 3. Where and how to update firmware?

A: Please search "GeekMagic SmallTV-Ultra" on Google. You can find the github link, the firmware will be updated there, make sure your model is "SmallTV-Ultra".

### 4. How to reset, reconfigure?

A: When you plug in the power supply and the progress bar is displayed on the screen, unplug the power immediately. Repeat this twice, and the third time it will turn on its own WIFI. You can reconnect to its WIFI hotspot and enter the web page to reconfigure.

### 5. How to crop or resize gif files?

A: [ezgif.com](http://ezgif.com) is highly recommended, upload your own gif files, crop it and then resize it, make sure it will fit into 80x80px or 240x240px for full-screen display.

### 6. Larger ones?

New product will be released, keep following.

## FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

**NOTE 1:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**NOTE 2:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## RF Exposure Statement

To maintain compliance with FCC'S RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm between the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.



## FAQ

Issue: Screen flickering or unable to power on?

**Solution:** Try using another USB cable or power adapter to address unstable power supply issues. Avoid using Type-C to Type-C USB cables.



Issue: Can't connect to router?

**Solution:** Ensure it's a 2.4G hotspot; verify correct SSID and password. For WIFI6 2.4G networks, especially ASUS WIFI6 routers, disable 802.11ax options to resolve compatibility issues.

## Documents / Resources

	<a href="#">GeekMagic SmallTV-Ultra Smart WiFi Weather Forecast Station</a> [pdf] User Manual 2BGI2-SMALLTV, 2BGI2SMALLTV, SmallTV-Ultra Smart WiFi Weather Forecast Station, Small TV-Ultra, Smart WiFi Weather Forecast Station, Weather Forecast Station, Forecast Station, Station
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## References

-  [ezgif.com free online animated GIF editor](#)
-  [Gmail](#)
- [User Manual](#)

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