Zhiwei Robotics UNIHIKER Innovative Open Source Hardware for Learning and Using Python User Manual

Zhiwei Robotics UNIHIKER Innovative Open Source Hardware for Learning and Using Python

Please read this manual carefully before using this product.

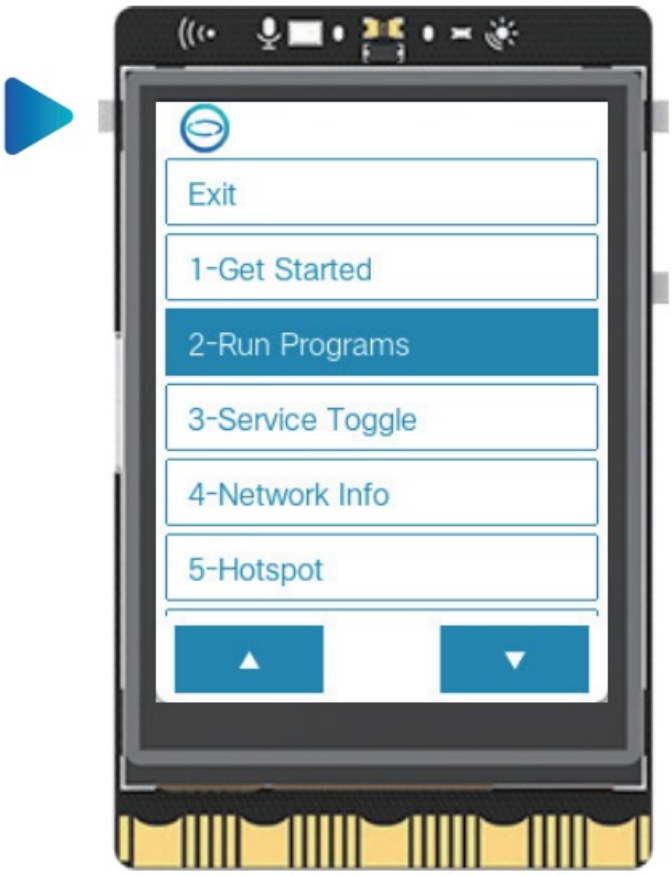
Contents

Getting started

Connect to a computer and wait for the logo to appear.

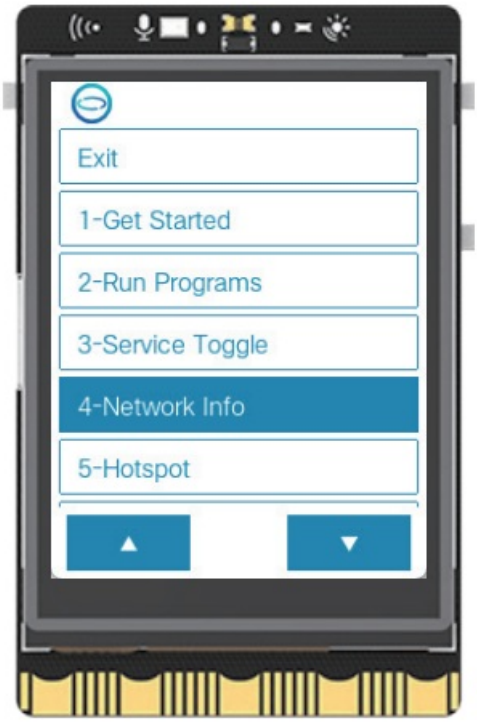
How to run the demo programs?

1. Press the Home button to access the **“Menu”.**
2. Select the **“Run Programs”** option, and find a “.py” file in the **“demo folder”.**
3. Press the **Home button** to run or stop it.

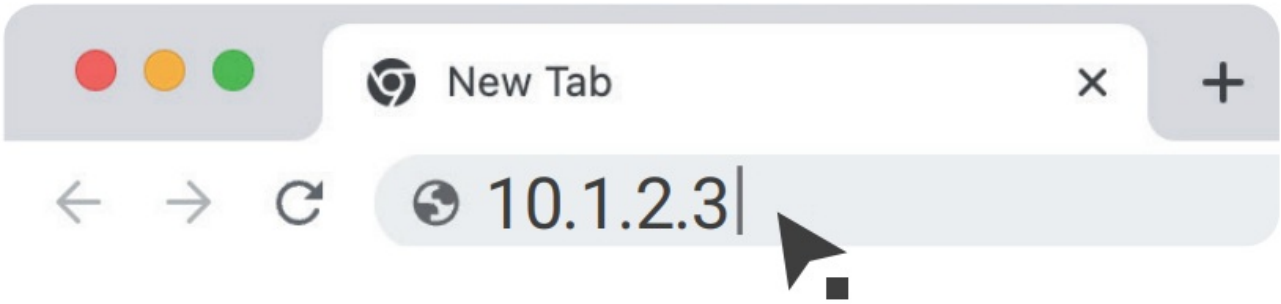


How to connect to Wi-Fi?

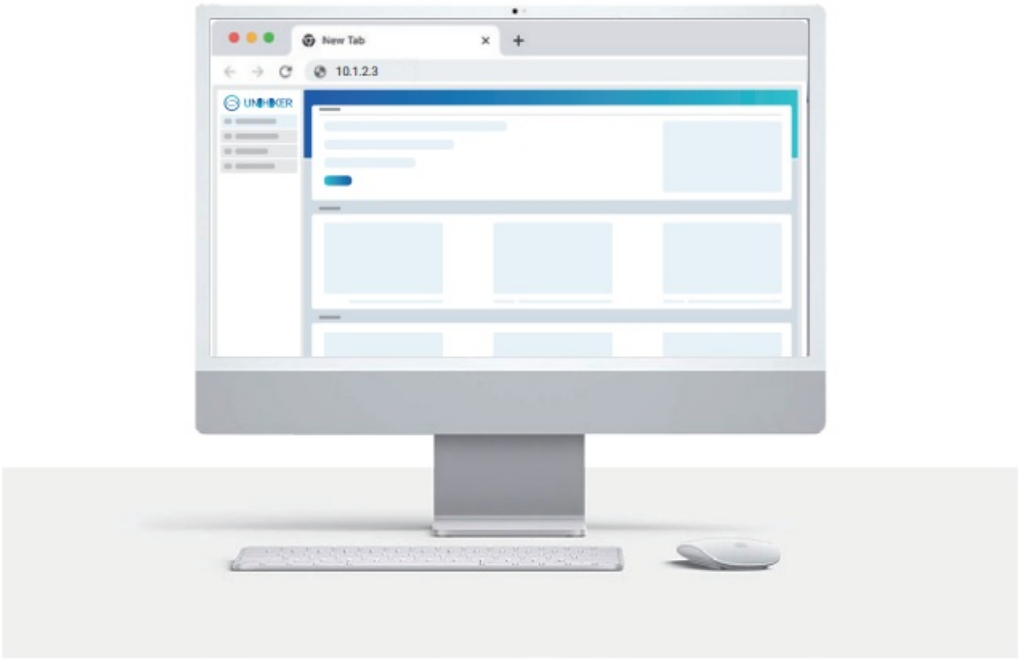
1. Select the **“Network Info”** option from the “Menu”.
2. View the **IP address.**



3. You can open UNIHIKER’s local web page by entering the IP address **“10.1.2.3”** in your browser.

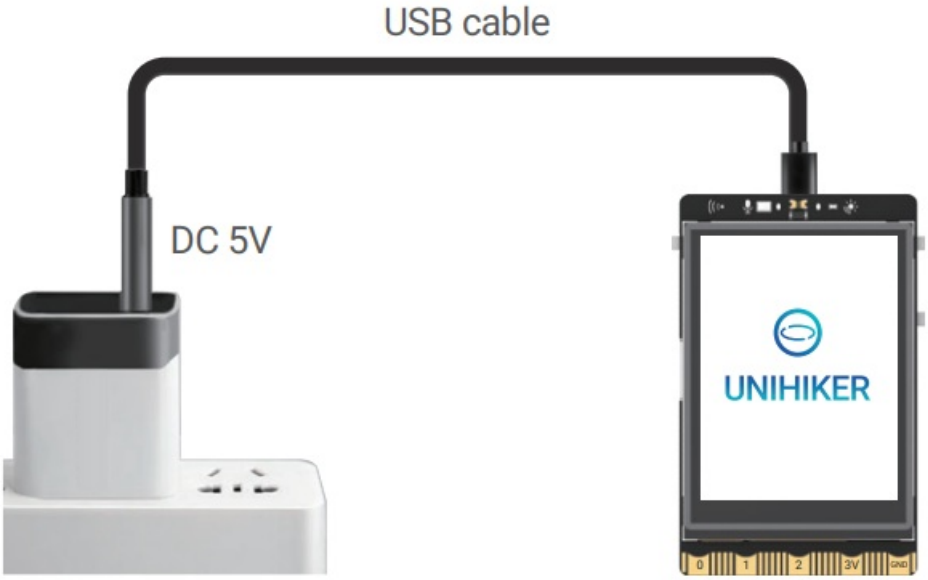


4. Select **“Network Settings”** to Connect to your **Wi-Fi.**



How to use wirelessly?

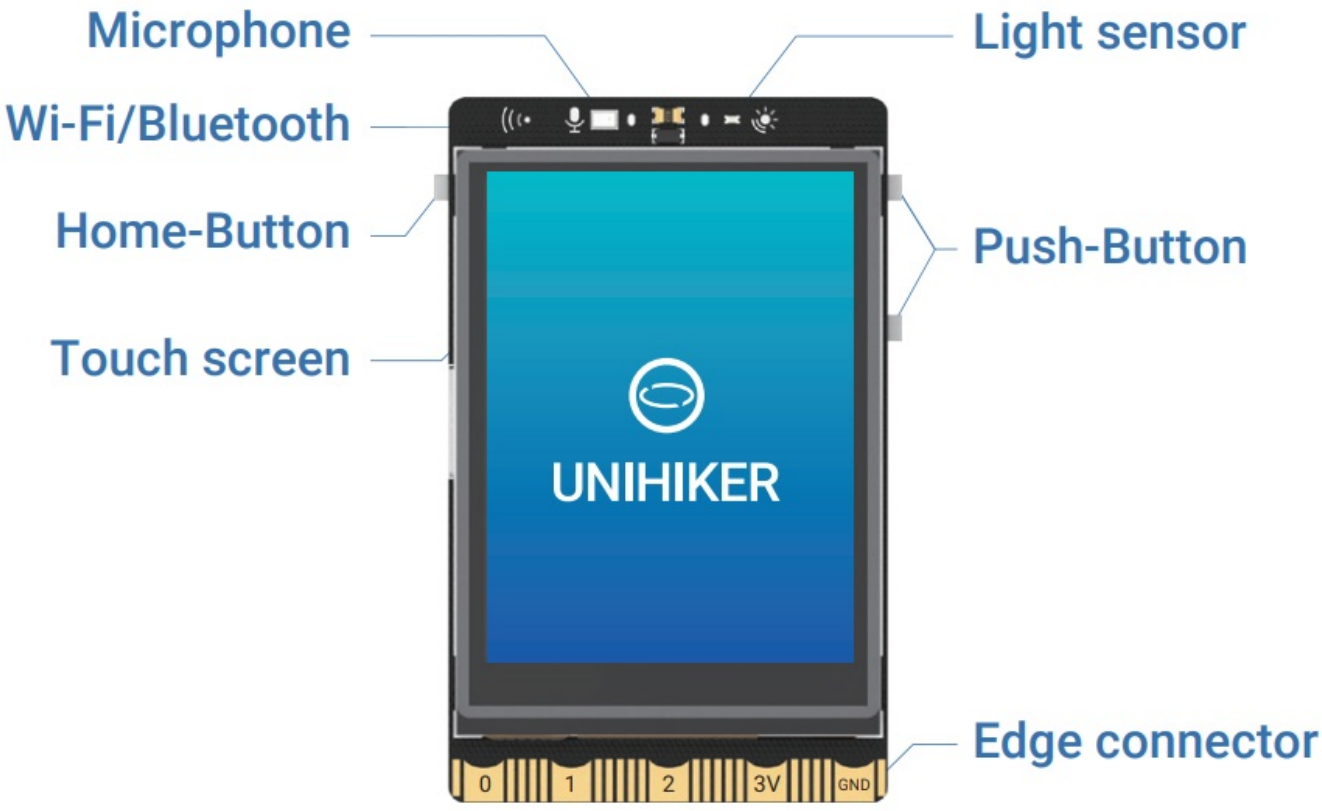
1. **Connect** to a **5V power adapter** and wait for the logo to appear.

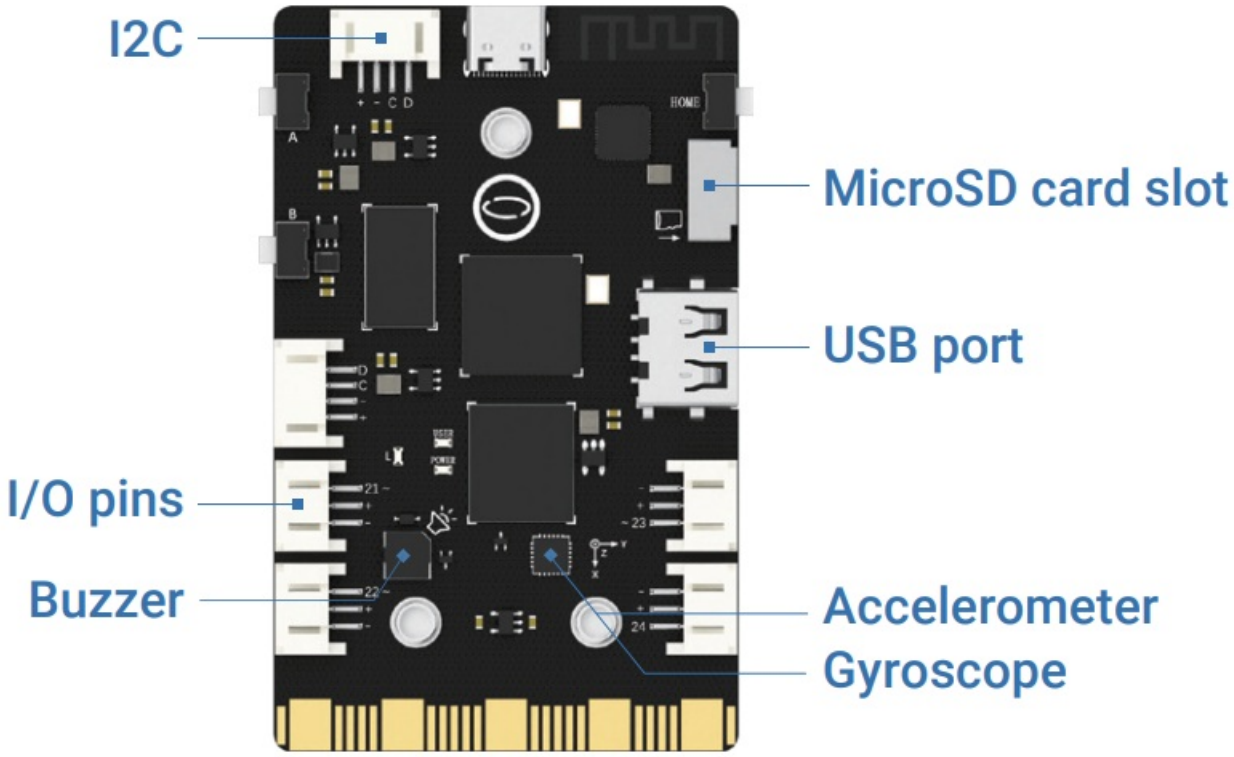


2. Connect UNIHIKER via **Wi-Fi** for use.

Please visit https://wikien.unihiker.com for more information.

Tech Specs





Specification

Size	51.6mmx83mmx13mm	Sensor	Button Microphone Light Sensor Accelerometer Sensor Gyroscope Sensor
CPU	Quad-Core ARM Cortex- A35, up to 1.2 GHz		
RAM	512MB		
Flash	16GB		
OS	Debian	Actuator	Led, Buzzer
Wi-Fi	2.4G	Port	USB Type-C,USB-A MicroSD Gravity 3pin&4pin port Edge connect
BT	Bluetooth 4.0		
Display	2.8inch, 240×320, Touch Screen		
MCU	GD32VF103	Power	5V 2A for USB Type-C

Instructions for safe use

To avoid malfunction or damage to your UNIHIKER please observe the following:

- **Do not** expose to water or moisture.
- **Do not** place on a conductive surface whilst in operation.

- **Do not** expose to heat from any source; the UNIHIKER is designed for reliable operation at normal ambient room temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Avoid handling the printed circuit board while it is powered Only handle by the edges to minimize the risk of electrostatic discharge damage.

FCC Statement

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: 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 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.

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

The device must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FAQ

Q:	**A:**
Can not boot up.	Check the power supply connect tight again, and the voltage is within th e required range.
Wi-Fi connection failed.	Please check whether the password is entered incorrectly, and try again several times after checking.

If you meet the problem that cannot be resolved, please visit: **https://wikien.unihiker.com/faq**

Or send email to: **unihiker@dfrobot.com**
Please describe the problem as specific as possible.

Contact Us

Address:

Room 603, 2 Boyun Road, Pudong, Shanghai P.R.China

@UNIHIKER

@UNIHIKER

unihiker@dfrobot.com

https://www.unihiker.com

https://wikien.unihiker.com

Due to continuous improvement of the product, if there were any changes, sorry for no further notice.

Documents / Resources

	Zhiwei Robotics UNIHIKER Innovative Open Source Hardware for Learning and Using Python [pdf] User Manual UNIHIKER13, 2AIDMUNIHIKER13, UNIHIKER Innovative Open Source Hardware for Learning and Using Python, UNIHIKER, Innovative Open Source Hardware for Learning and Using Python

References

- unihiker wiki
- UNIHIKER FAQs
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