Zg Technology ZGFREEBOX Wireless Module for Portable Scanner User Manual

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ZG Technology ZG FreeBox User Manual

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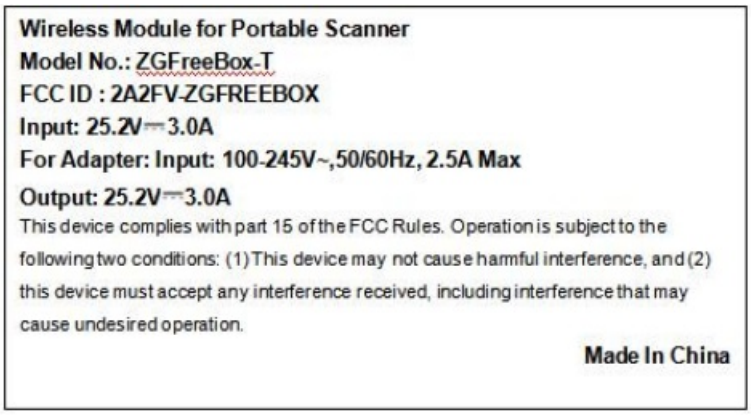
ZG FreeBox Introduction

Push buttons introduction

1. Power switch button: press button and hold for 2 seconds to turn on or off the power of ZGFreeBox

ZGFreeBox label information

1. ZGFreeBox label information is as below



ZG FreeBox Packing List

Packing List

1. ZGFreeBox and data cable

2. Wireless router and network cable

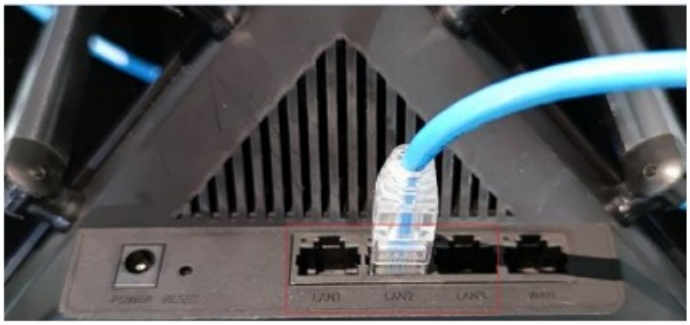
ZG FreeBox Instructions

Wireless router connect to main power

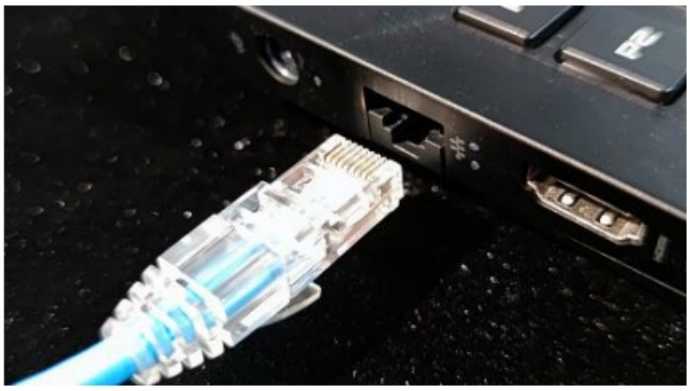
1. Connect wireless router to main power: The indicator light on the router shows white light, to be noticed, the input voltage should be 220V, Router working status

Computer connect to router

1. Connect one end of the network cable to any socket under the “LAN1, LAN2, LAN3” label of the router, and connect the other end to the computer’s network port



Router connect network cable



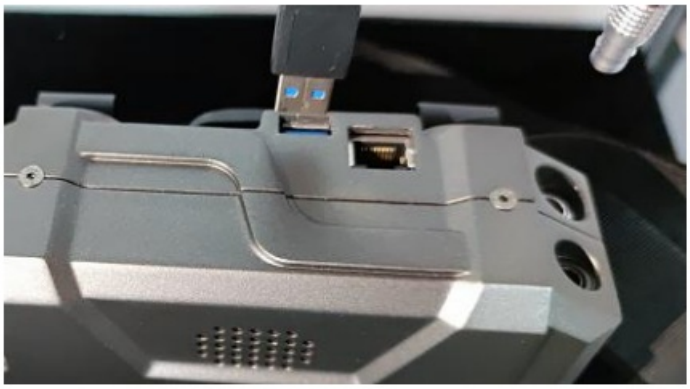
Computer connection network cable

Connect data cable to ZGFreeBox

1. Input Voltage: 25.2V
2. USB Port

1. Connect the data cable to the ZGFreeBox as below. To be notice, the power data cable plug and the ZGFreeBox power data socket have red dots, please insert them correctly and completely. Confirm that the double red dots are on the same line.

Power connection



USB cable connection

Data cable connected to the scanner

1. Connect the data cable power plug and the data cable plug to the corresponding jack of the scanner

data cable connect to scanner

Turn on the ZGFreeBox

1. Press power button hold for 2 seconds to turn on ZG FreeBox

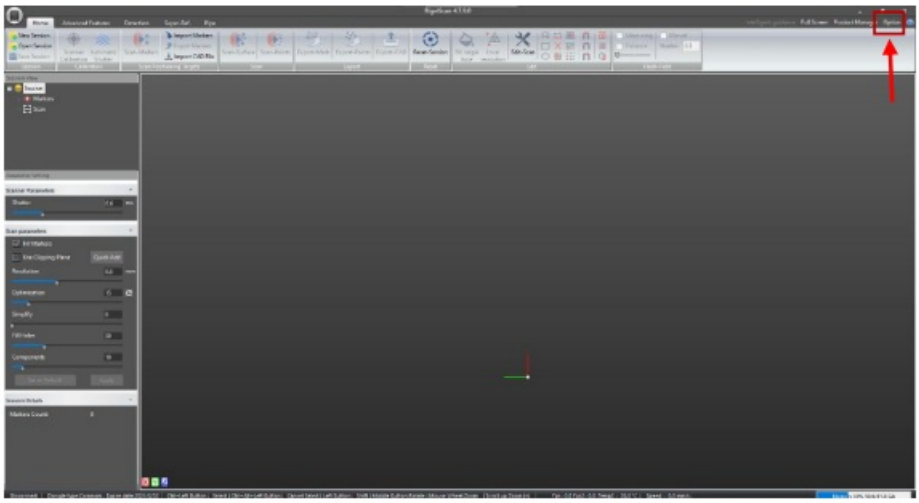
ZG FreeBox working status

Power Display

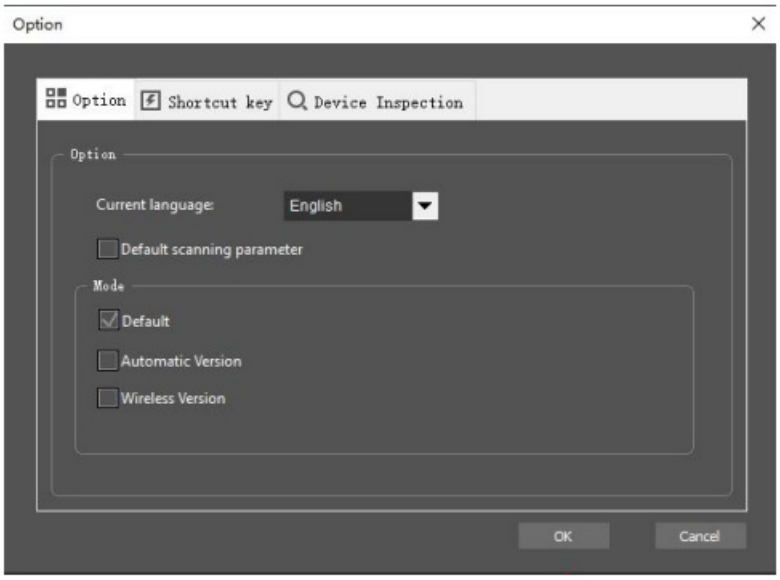
1. Turn on the ZGFreeBox, the display will light up and displaying real-time battery information, etc.
   To be notice, the full power voltage will be 25V, when power below 20V is required to recharge device.

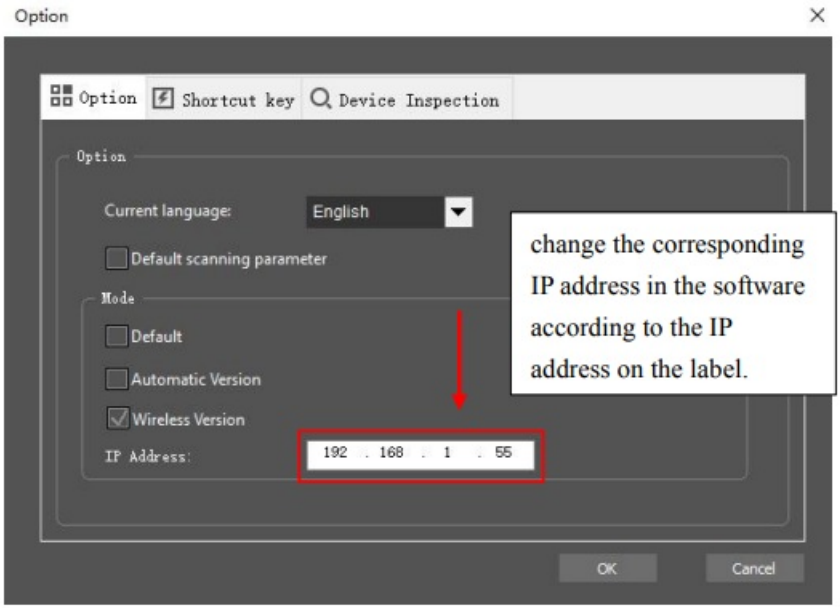
Software connection

1. Open the scanning software and click the “Option” button in the upper right corner;

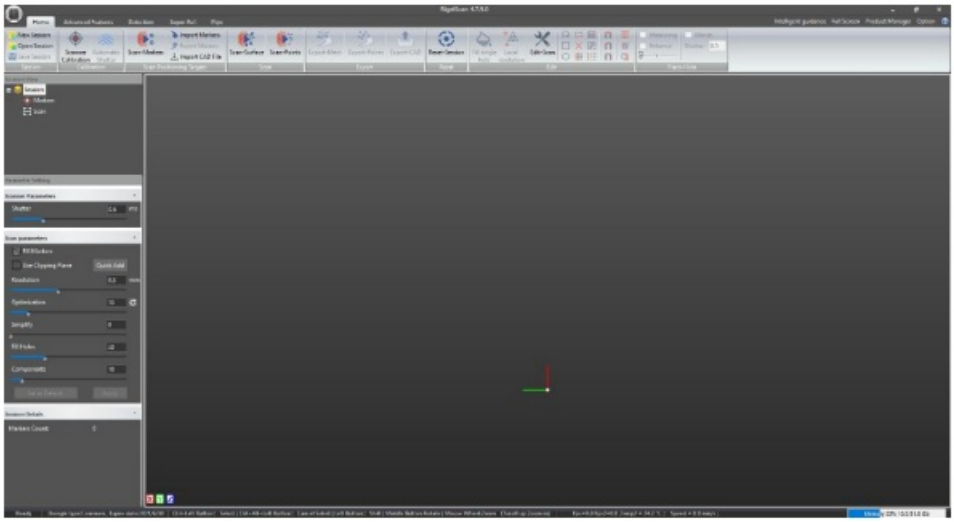


2. Click the “Wireless Version” in the “option” interface, , and change the corresponding IP address in the software according to the IP information of the ZGFree Box label or router label





3. After the operation is completed, wait for about 40S, then the software will connect to the ZGFree Box successfully. The function keys of the software will light up normally;



4. Display will showing “Ready” once connection successed.

Software function

1. Please check RigelScan Elite unser manual

Turn off ZG FreeBox

1. After the scanning process is completed, please turn off the ZGFree Box in time and save the power. Press and hold the “power switch button” for 3 second to turn off it.

2. Put the ZGFree Box, router and accessories in order according to the intervals in the equipment box, and keep them well.

ZGFree Box charging instructions

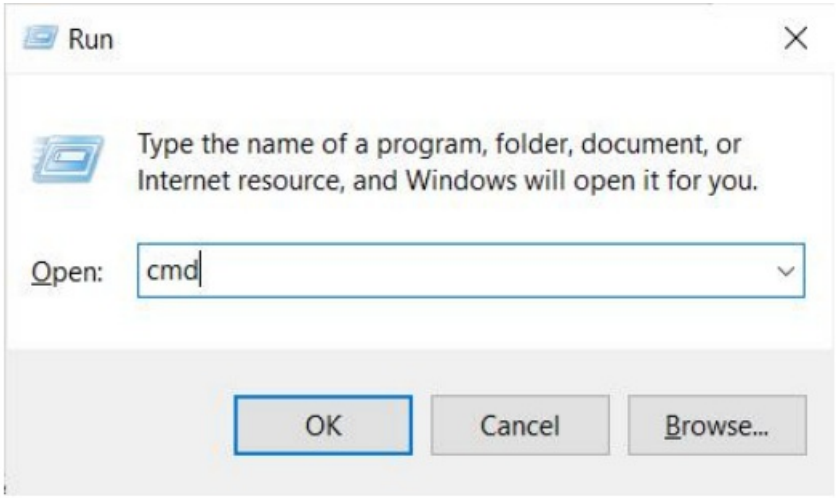
ZGFree Box charging

1. Connect the power adapter to G FreeBox, the indicator light of the power adapter shows green. Afterwards, connect power adapter to main power, and the indicator light of the power adapter turn to red and charging is start. When the indicator light turns to green, it indicates that the ZGFree Box is fully charged.

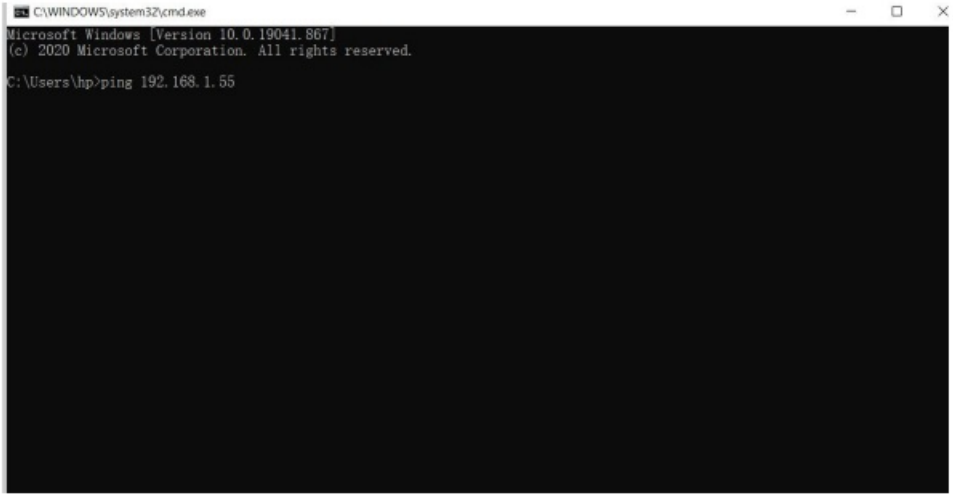
ZG FreeBox II Trouble shooting

Network connectivity

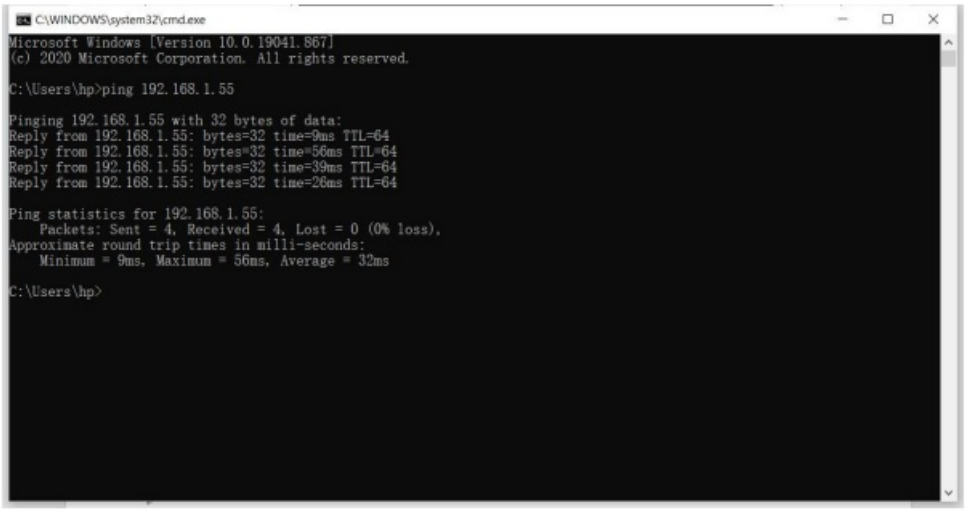
1. Press the “Windows” + “R” keys at the same time to run the data “cmd” on the interface



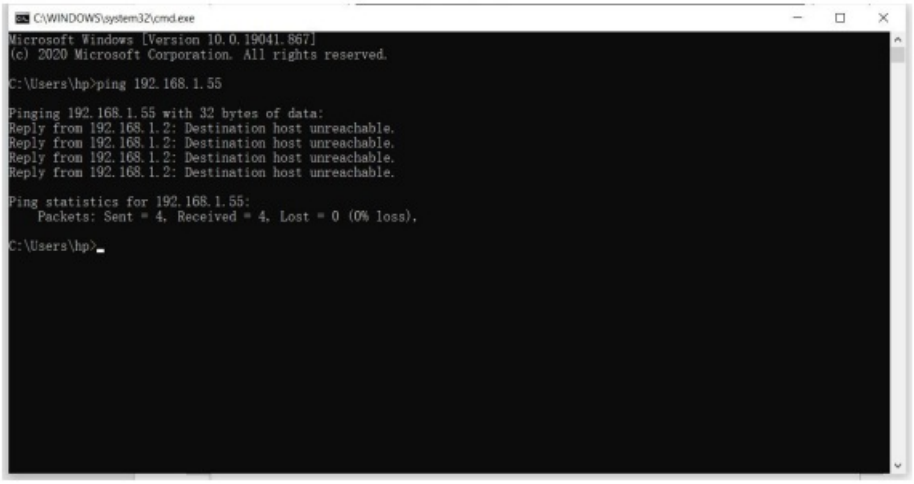
2. In the code running interface, enter “ping-blank-IP address”, the IP address should be the same as the ZGFree Box label or router label, and should be same as the ZGFreeBox IP address in the software:



3. Connection is normal as shown below,



4. Connection is abnormal as shown below,



IP address check

1. Checking to make sure the IP address in the software is identical and consistent with the address on the ZGFree Box label and router label

Software function check

1. Please replace the instrument and device files, restart the ZGFree Box, unplug all relevant data cables and

power sockets, then restart the software:

2. If you encounter the following situations when scanning the surface or point cloud in the software,
    1. The number of frames no longer increases, and the software interface still exists:
    2. The laser line disappears and the software interface is stuck;
    3. After long time scanning, the software may crash with probability;
       Please restart the ZGFree Box, unplug all relevant data cables and power sockets, then restart the software:

Scanning Precautions

1. The data transmission of ZGFree Box is based on the signal transmission of the router, please keep the router and the ZGFree Box free of obstacles or signal interference;
2. In order to maintain the stability of data transmission, please use a network cable to connect the router and the computer, do not unplug the network cable port;
3. During the scanning process, please do not disconnect the power adapter of the router or computer at will to terminate the power input;
4. During the scanning process, do not turn off the power of the ZGFree Box to avoid interruption of data transmission;
5. The 5G WIFI of the wireless router is susceptible to interference from external electromagnetic signals, please do not use two or more 5G routers at the same time,
6. It's normal situation if the wireless transmission speed is a bit slow, the number of real-time scanning frames is slightly lower and the laser line flickers.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Documents / Resources

	Zg Technology ZGFREEBOX Wireless Module for Portable Scanner [pdf] User Manual ZGFREEBOX, 2A2FV-ZGFREEBOX, 2A2FVZGFREEBOX, ZGFREEBOX Wireless Module for Portable Scanner, Wireless Module for Portable Scanner