微光互联
二维码扫描专家

MC51

User Manual

Please read it carefully and keep it properly.

- ☑ Fast reading.
- ☑ Swipe card and scan code.
- ☑ Support multiple output interfaces.

Disclaimer

Before using the product, please read all the contents in this Product Manual carefully to ensure the safe and effective use of the product. Do not disassemble the product or tear up the seal on the device by yourself, or Beijing Vguang Internet Technology Co., Ltd. will not be responsible for the warranty or replacement of the product.

The pictures in this manual are for reference only. If any individual pictures do not match the actual product, the actual product shall prevail. For the upgrade and update of this product, Beijing Vguang Internet Technology Co., Ltd. reserves the right to modify the document at any time without notice.

Use of this product is at the user's own risk. To the maximum extent permitted by applicable law, damages and risks arising from the use or inability to use this product, including but not limited to direct or indirect personal damage, loss of commercial profits, Beijing vguang Internet Technology Co., Ltd. will not bear any responsibility for trade interruption, loss of business information or any other economic loss.

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Edit history

Change date	Version	Description	Responsible
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1. Preface

Thank you for using the MC51 scanning device provided by Vguang. Reading this document carefully can help you understand the functions and features of this device, and quickly master the use and installation of the device.

The company does not assume responsibility for the property loss or personal injury caused by the user's abnormal operation. Please design and develop the corresponding product according to the technical specifications and reference in the manual. Also please pay attention to the general safety matters that should be taken into account when using mobile products. Before the statement, the company has the right to modify the contents of this manual according to the needs of technological development.

1.1. Product introduction

MC51 supports code scanning and card swiping functions, and has three output interfaces of WiFi, USB and RS232.

1.2. Product features

1, Strong reading ability

It can recognize the QR code and one-dimensional code on the screen of the mobile phone, support the enhanced engine mode, and can scan and read the code when the screen of the mobile phone is dark.

2, High speed reading

Different mobile phone LCD screens generally have different contrast, color, and degree of reflection, which can be read as long as the code system is within the reading window.

3, Easy to use

Scanners can be configured using configuration tools to achieve optimal operation.

1.3. Notes

1, Dismantling and modification: Please do not disassemble or modify the hardware of the product. If the equipment is damaged thereof, the company will not be responsible for the warranty.

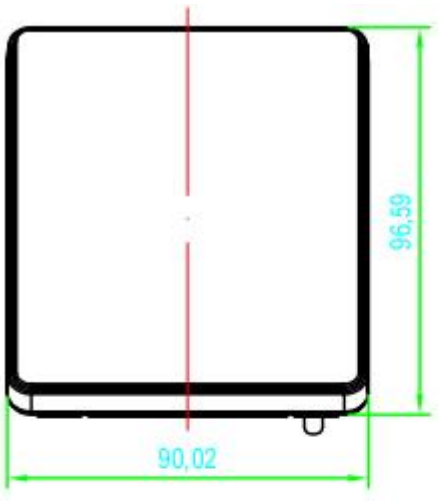
2, Abnormal condition: Keep away from fire. If you find unusual odor, overheat or smoke, please immediately turn off the power switch and unplug the plug from the AC outlet, and contact the dealer where you purchased the product or our customer service center.

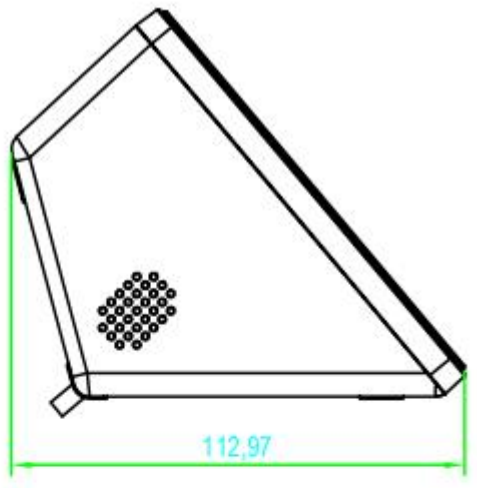
3, Drop damage: If the product is damaged due to falling on the ground, please immediately turn off the power and contact the dealer where you purchased the product or our customer service center.

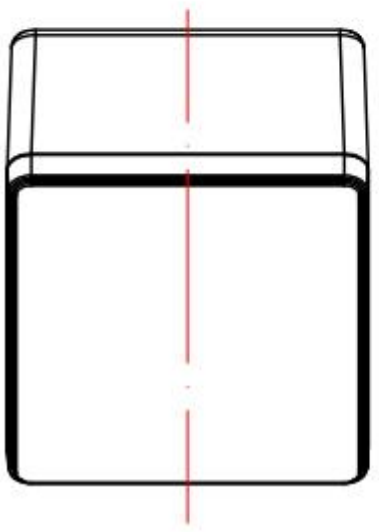
4, Placement location: Please do not place the product in an unstable or uneven place, so as to avoid the device falling down and causing damage; please do not put the device in a place with large amount of moisture or dust, so as to avoid causing electric leakage or fire.

5, Do not touch the window glass with abrasive substances, so as to avoid wearing the window glass and affecting the reading effect.

2. Product size







3. Product parameters

3.1. General parameters

General parameters	
Communication interface	Wifi, USB, RS232
Indication mode	Buzzer prompt, white light flashing, voice broadcast
Image Sensor	300,000 pixel CMOS sensor chip
Maximum resolution	640*480
Installation method	Desktop
Reading window size	46mm*46mm
Product size	112.97mm*90.02mm*96.59mm
Material	Shell material: fireproof PC + ABS Window material: Acrylic
Data line	USB power cable

3.2. Recognition parameters

QR Code Recognition Parameters	
Symbologies	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF etc.
Decoding support	Mobile screen / paper code
Read depth of field	0mm-76mm
Precision	≥7mil
Reading speed	70ms each time (average), supporting continuous reading
Reading direction	Tilt ± 22.2 °, rotation ± 360 °, deflection ± 23.4 °
Field of view angle	85°
Card swiping function	Read the physical card number of IC card
RFID	Support NFC mobile phone, Mifare_Ultra Light, Mifare_Ultra Light 01, Mifare_One(S50), Mifare_One(S50) 02, Mifare_One(S70), Mifare_One(S70) 03, Mifare_Pro(X), Mifare_Pro(X) 04, Mifare_Desire, Mifare_Desire 05

3.3. Electric parameters

Power input is not allowed until the equipment is connected. If you plug in or unplug the equipment (with electric heating plug-in) when the cable is charged, its electronic components will be damaged. Please ensure that the power supply has been cut off during cable plug-in. Poor power connection, too short power off and on operation, or too large voltage drop pulse may cause the equipment to not be in a stable and normal working state. It is necessary to maintain the stability of power input. After turning off the power input, the power input can be turned on again at an interval of more than 2 seconds.

Electric parameters	
Working voltage	DC 5V-15V
Working current	389mA （Typical 5V power supply with voice）
Rated power consumption	1945mW（Typical 5V power supply with voice）

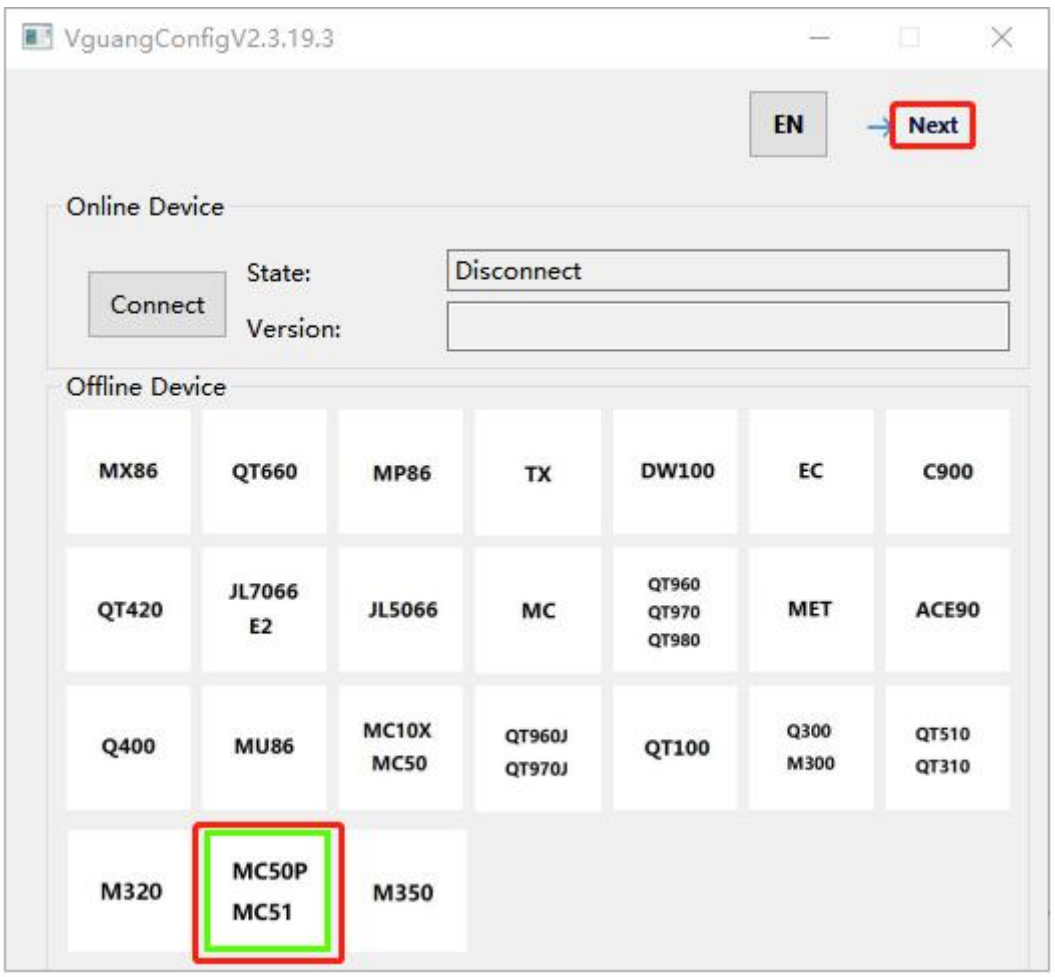
3.4. Working environment

Working environment parameters	
Electrostatic protection	±8kV(Air discharge), ±4kV（Direct discharge）
Working environment	-20° C-70° C
Storage temperature	-40° C-80° C
Working humidity	5%-95%（No condensation） （Ambient temperature 40℃）
Ambient illumination	0-80000Lux(Non-direct sunlight)

4. Operating instructions

4.1. Device configuration

Get the configuration tool from the official website, double-click to open the configuration tool, select the MC51 model, and click next.

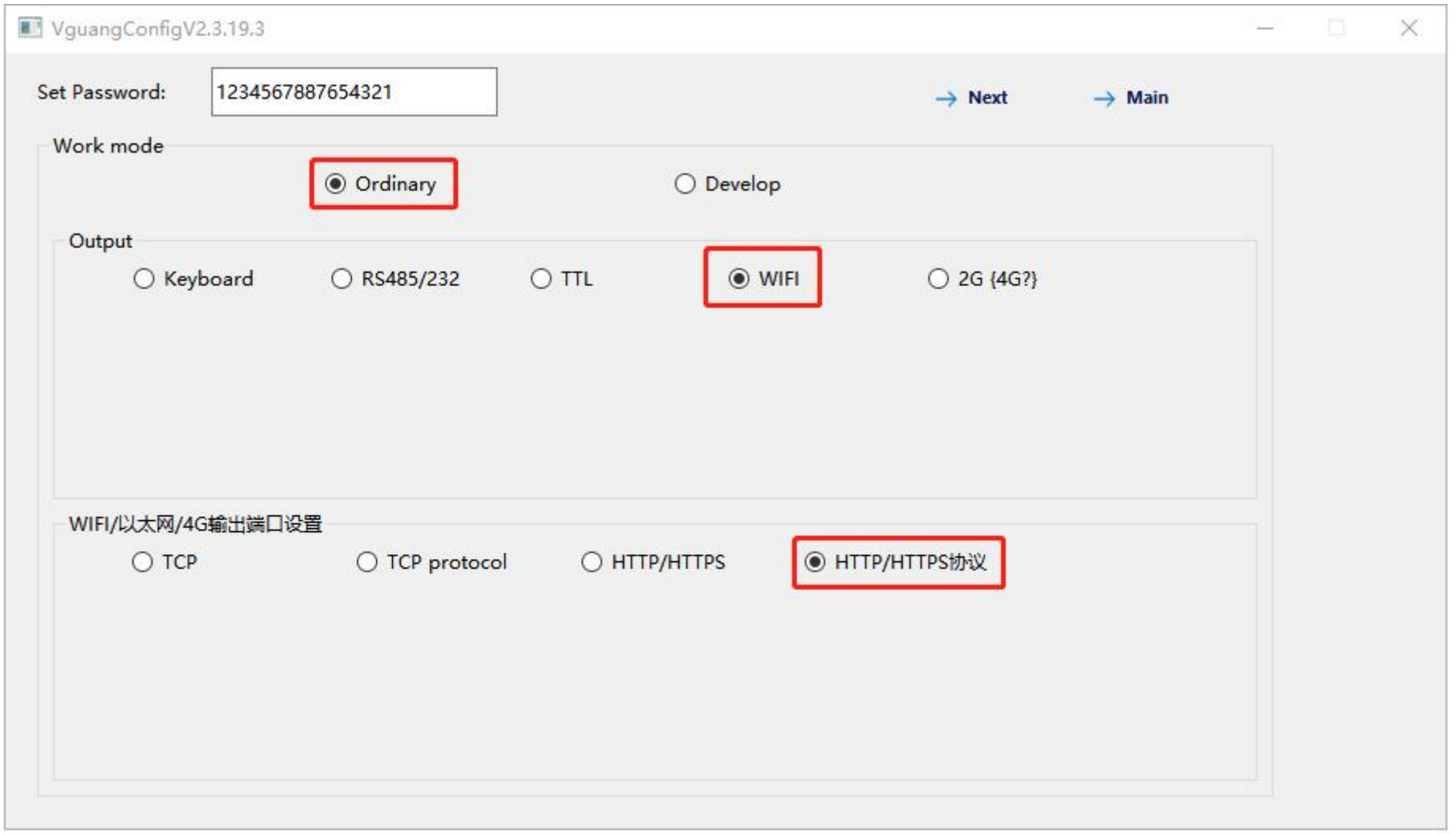


Working mode selection: ordinary

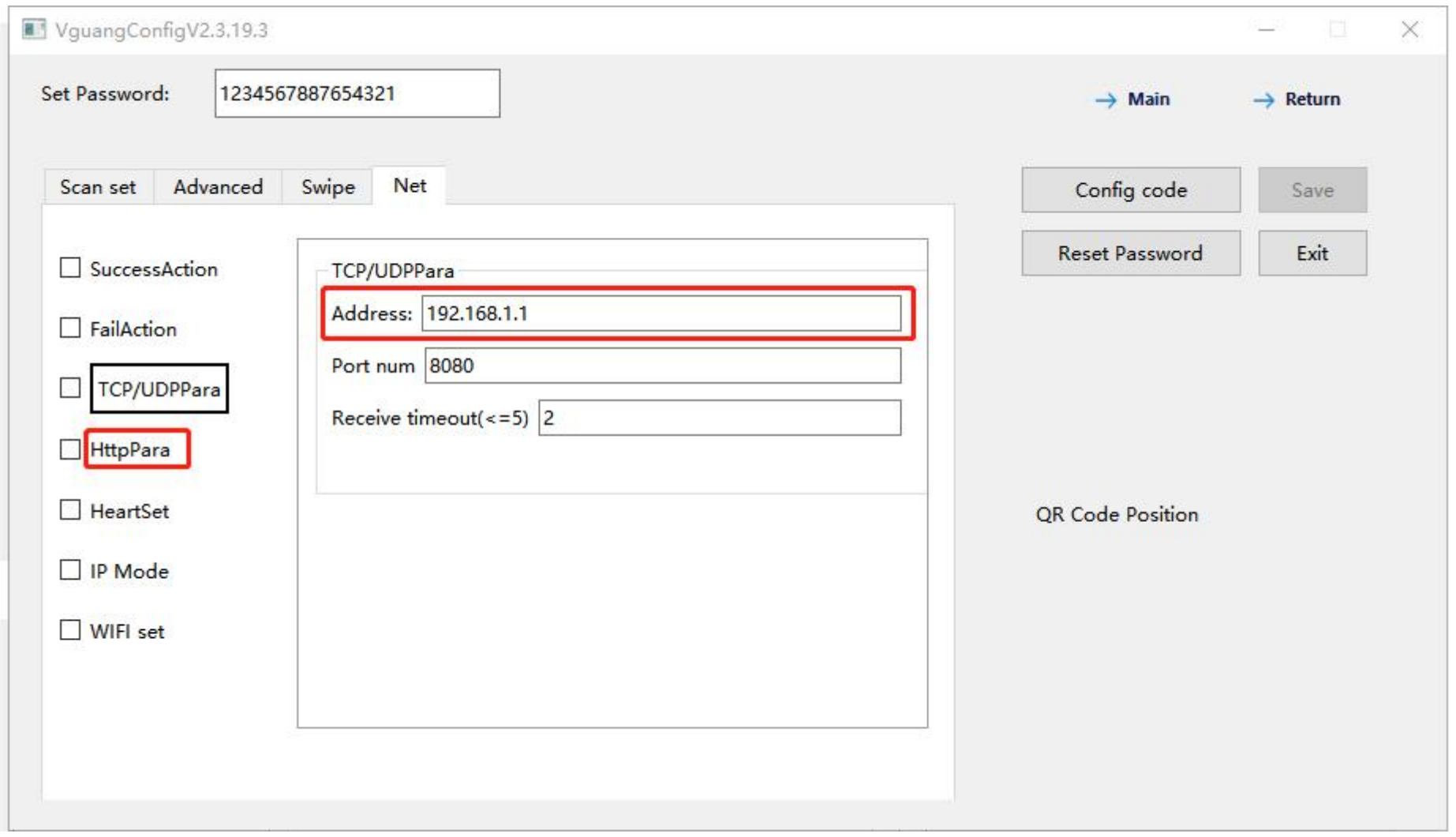
Output mode: select WiFi

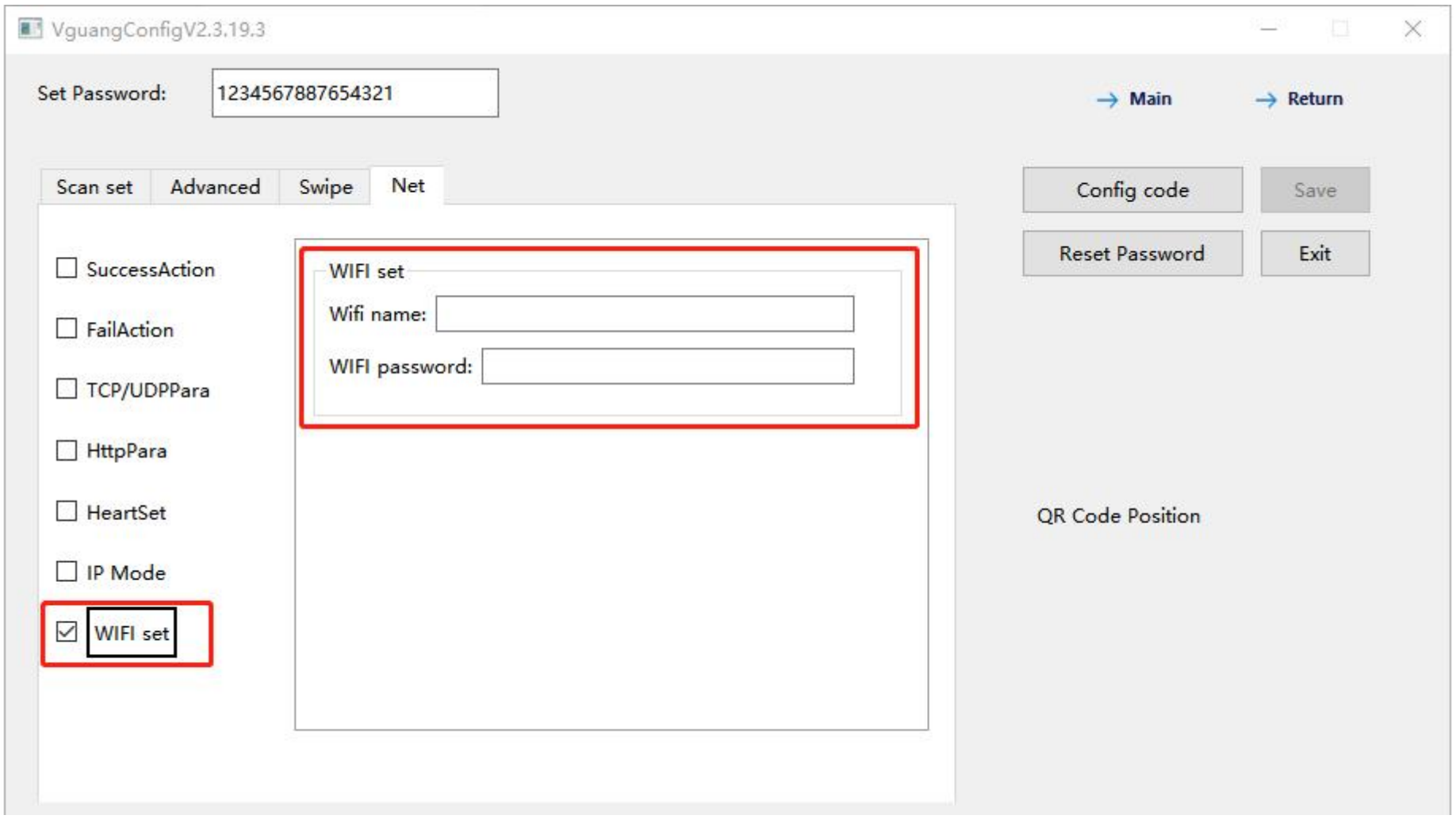
Select "HTTP Protocol" or "TCP Protocol" for port setting

Click next



In network settings, set the server address, WiFi name and password. (only 2.4G band WiFi is supported)


VguangConfigV2.3.19.3
Set Password:
1234567887654321
Main
Return
Scan set
Advanced
Swipe
Net
Config code
Save
Reset Password
Exit
SuccessAction
FailAction
TCP/UDPPara
HttpPara
HeartSet
IP Mode
WIFI set
TCP/UDPPara
Address: 192.168.1.1
Port num 8080
Receive timeout(<=5) 2
QR Code Position



Click generate configuration code to scan the generated configuration code to the code scanner. After the code scanner rings, power off and restart the code scanner to complete the configuration.

VguangConfigV2.3.19.3
Set Password:
1234567887654321
Main
Return
Scan set
Advanced
Swipe
Net
SuccessAction
FailAction
TCP/UDPPara
HttpPara
HeartSet
IP Mode
WIFI set
WIFI set
Wifi name:
WIFI password:
Config code
Save
Reset Password
Exit

5. Common problems

（1）The device can not connect to the configuration tool.

When configuring the code scanner, you need to use the code scanning configuration method, that is, use the configuration tool to generate the configuration code and scan the configuration code for configuration.

（2）No response when scanning code.

You can adjust the brightness of the mobile phone to the maximum, and then conduct code scanning test.

（3）How to determine whether the device is connected to WiFi?

When two blue indicator lights are on at the top of the reading window of the code scanner, it means that the networking is successful.

Contact info

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