RD06_WIFI Configuration Manual V1.0.3



Content

1. USB RS232 Cable	. 2
2. Step	. 2
3. Configure Software	. 6
Modify Password (001)	.6
Low Voltage Alarm (004)	.6
Transmission Method (005)	6
Extend Setting (008)	6
Set IP and port (015)	7
GPRS Interval (018)	.7
GPRS Mode (019)	.7
Set WIFI (050)	.7
GPRS send interval when external power off (127)	. 7

RF (136)	7
Clear (500)	8
Reboot time (600)	8
Reboot (991)	8

1. USB RS232 Cable



The RS232 cable is modified based on the normal RS232 Cable. It can be used to configure RD06 on personal computer.

Before using configuration software, please connect our RD06 to computer via our RS232 cable. The smaller USB port connects with the RD06 USB port, the bigger USB port connects with the computer.

2. Step

- 1) Install. NET Framework
- 2) PL-2303 driver is for RS232 configuration cable,



Please install

(XP/Vista/Win7/Win8)

- 3) Connect the configuration cable to the computer.
- 4) Go to desktop, choose My Computer-> click right button -> choose Manager->

under

windows

systems

System Tools -> Device	Manager -> Ports, you will find the port which
configuration cable is using	Prolific USB-to-Serial Comm Port (COM3)
📕 Computer Management	
🗐 File Action Yiew Window He	h IBX
← → E 🗉 🗗 🖨 😫 🙎	
Computer Management (Local) System Tools Computer Viewer Shared Folders Cocal Users and Groups Cocal Users and Groups Performance Logs and Alerts Device Manager Storage Storage Disk Defragmenter Disk Management Services and Applications	 RENNYXPENG Computer Disk drives Display adapters DVD/CD-ROM drives Floppy disk controllers Floppy disk drives Human Interface Devices IDE ATA/ATAPI controllers Keyboards Mice and other pointing devices Monitors Network adapters NVIDIA Network Bus Enumerator Ports (COM & LPT) Printer Port (LPT1) Printer Port (LPT1) Processors Sound, video and game controllers System devices Universal Serial Bus controllers

- 5) Connect RD06 with computer via the configuration cable.
- 6) Run the configuration software \times RD06.Configure

M : COM4 • Password: 00000	0 🕐 Read Config Write Config I	Log Command:	Write
01(Modify Password) New Password:	004(Low Voltage Alarm) Low Voltage: Read Write	005(Transmission Method) Mode: O WiFi © LAN Read Write	008(Extend Setting) ACK: Read Write
15(Set IP and port) Mode: © IP O Domain IP/Domain:	018(Send Interval) Time Interval: s Read Write 127(Gprs send interval when external power off)	050(Set WiFi) WiFi Name: WiFi Password: Read Write	141(Tag06, 06B Receive Rate)
Port: Read Write	Interval Time: s Read Write	136(RF) Enable: Read Write 148(Restart RF)	990(Initialization Tracker) Write
Mode: OUDP OTCP	Channel: Add Delete Delete All Read	Time: min Read Write	991(Reboot) Write
i00(Reboot Time) Enable: Time: min Read Write			
		TMET .	Var

- 7) Turn on RD06.
- 8) Please select the correct COM port and write correct password. Then click [button on the software. If the port connects successfully, it will show that the serial port is opened and all the parameter will be shown on the

software, Read Successful the mean is that reading the machine successfully.

9) Click [Read Config] button , the

[Read Successful [] will be shown on, read all the parameter.

DM : COM3 · Password: 00000	0 Read Config Write Config	g Log Command:	Write
01(Modify Password) New Password: 000000 Write	004(Low Voltage Alarm) Low Voltage: 360 Read Write	005(Transmission Method) Mode: © WiFi ® LAN Read Write	008(Extend Setting) ACK: 🗹 Read Write
15(Set IP and port) Mode: IP IP Domain IP/Domain: t- gateway.tzonedigita Lcn Port: 54929 Read Write	018(Send Interval) Time Interval: 60 R/Message 127(Gprs send interval Time: 0 R R R R R R R R R R R R R R R	050(Set WiFi) wiFi Name: TZONE1 wiFi Password: tzone2014 Read Write B6(RF) Enable: Read Write	141(Tag06, 06B Receive Rate) Rate: 38.4K Read Write 500(Clear Queue) Write 990(Initialization Tracker)
19(Transmission Protocol) Mode: OUDP OTCP Read Write	144/145/146/147 (T Channel: 1 Add Delete Delete All Read	48(Restart RF) Time: 5 min Read Write	991(Reboot) Write
00(Reboot Time) Enable: V Time: 1440 min Read Write			

10) Click [Write Config] button, it will be shown

Write Successful [], write all the parameter.

- 11) Click [Log], can open the log mode
- 12) Com port data stored [Save]
- 13) Clear com port data [Clear]
- 14) Stop com port data [Pause]
- 15) Running com port data[Run]

16) Refer to the instructions of the instruction list, the white strip which input you want to send the instructions and click on send, this feature can configure your machine faster.

Command:

[Write] Send the current command

3. Configure Software

Choose the port which configuration cable is using. The port name is "Prolific USB-to-Serial Com Port", then press "Connect" button.

Each instruction can be separately read and written.

Modify Password (001)

New password: set the new password

Low Voltage Alarm (004)

Low voltage: it is the low power alarm voltage, eg: 3.8v, low voltage=380 (default:350)

Transmission Method (005)

Mode WIFI: Select WIFI transfer mode LAN: Select LAN transfer mode

Extend Setting (008)

TAG ACK:Don't choose,disable TAG ACK download function TAG ACK:Choose,enable TAG ACK download function Server ACK:Don't choose,disable GPRS ACK function Server ACK:Choose,enable GPRS ACK function

Set IP and port (015)

mode: IP or DomainIP/domain: This is the server DNS/IP address. The server must have a fixed DNS/IP address.Port: TCP port of server

GPRS Interval (018)

Time Interval: The GPRS data time interval[10,999]/s

GPRS Mode (019)

Mode TCP: TCP data transfer mode UDP: UDP data transfer mode

Set WIFI (050)

WIFI Name: The Router WIFI name **WIFI Password:** The Router WIFI Password

GPRS send interval when external power off (127)

Enable:enable this function Disable:disable this function Time: GPRS sending interval when cut off external power[10,6000]/s

RF (136)

Enable:enable RF function **Disable:**disable RF function

Sensor (144/145/146/147)

Channel: Select channel[1,50] and sensor ID(8 bits) Add: Add a sensor Delete:Delete a sensor Delete all:Delete all sensor Read:Read all sensor

Restart RF (148)

Time: Choose reboot time when RF can't receive new data [1,1440]/s

Clear (500)

Clear history in the flash memory

Reboot time (600)

Enable: Enable Reboot time Disable:Disable reboot time Interval: Reboot time interval[10,9999]/m

Initialization Machine (990,099)

It will set all parameters to factory default value (Excluding the Password).

Reboot (991)

It will reboot the RD06