RD06_WIFI Configuration Manual V1.0.3

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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 under windows systems (XP/Vista/Win7/Win8)

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

System Tools -> Device Manager -> Ports, you will find the port which configuration cable is using 

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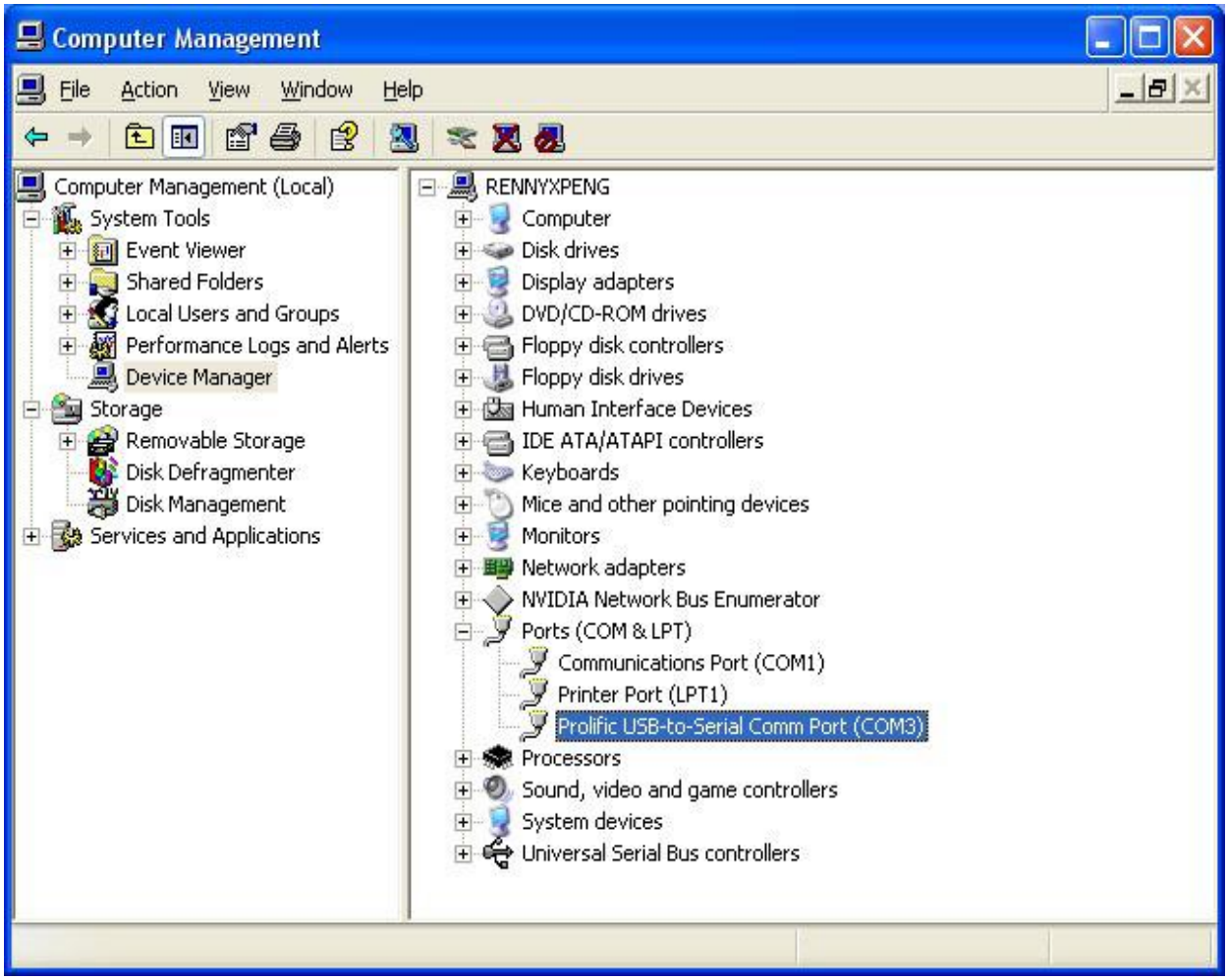
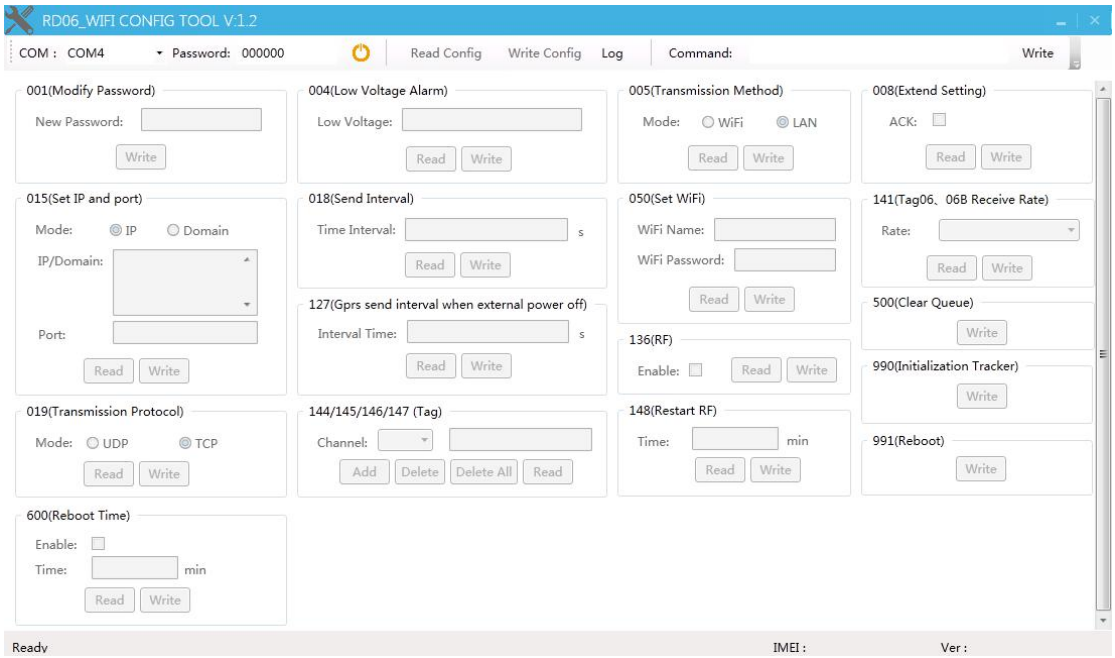


5) Connect RD06 with computer via the configuration cable.

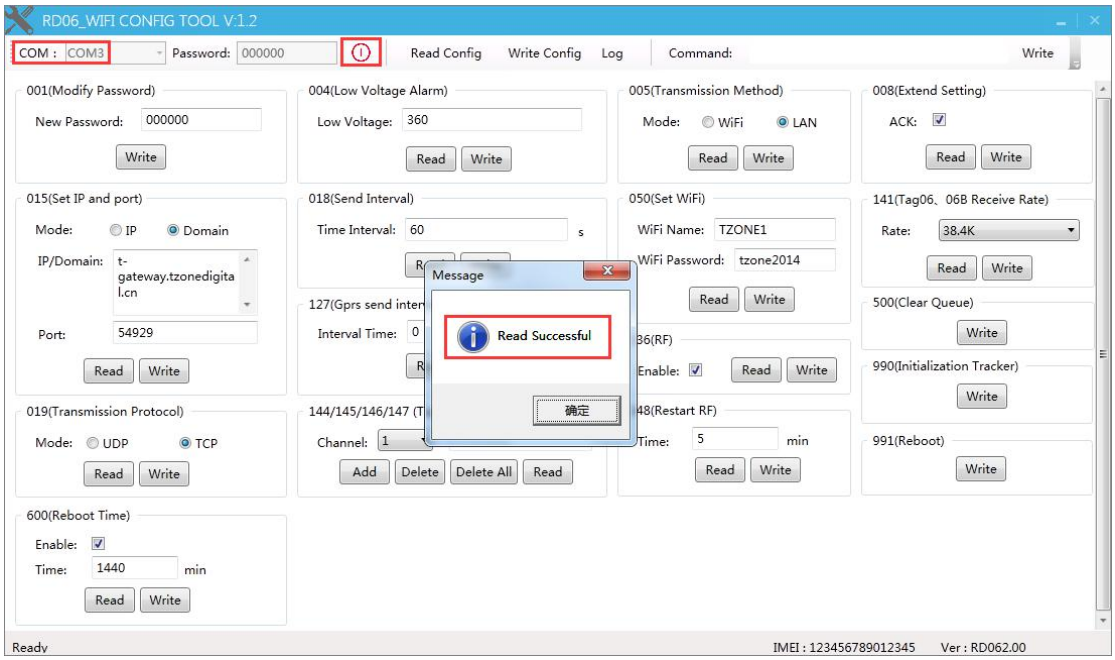
6) Run the configuration software 



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.



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 Domain
IP/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