



РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ Модуль RD-WF



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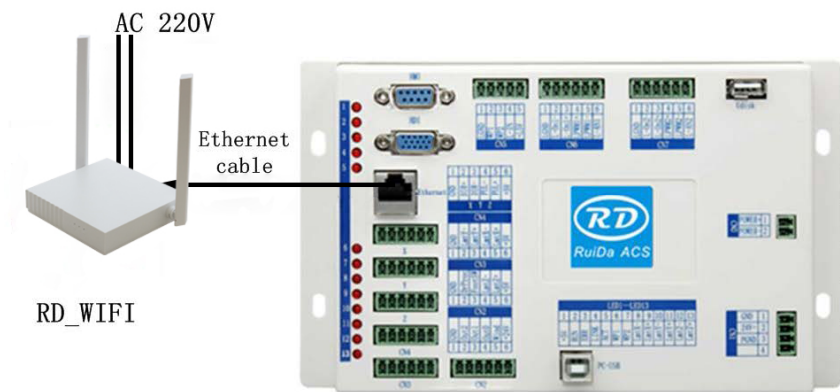
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1. Network connections via wireless card or WIFI on laptop

1.1 One machine + One PC

In this mode, one PC connects to one wireless terminal device via wireless terminal. As Figure-1 showed:



Figure-1 One desk-top computer wireless connection diagram
(Configured WIFI network card with USB interface)

Based on above structure, configured with RuiDa motion controller and RD-WIFI smart terminal devices, and the desk-top computer with wireless card, the wireless control can be achieved between computer and machine.



Figure-2 One laptop wireless connection diagram
(Open WIFI)

Based on above structure, configured with RuiDa motion controller and RD-WIFI smart terminal devices, and the laptop with wireless card, the wireless control can be achieved between laptop and machine.

1.2 One machine + Multiple PC

Under this mode, multiple PC can send process tasks to machine, see below figure-3.

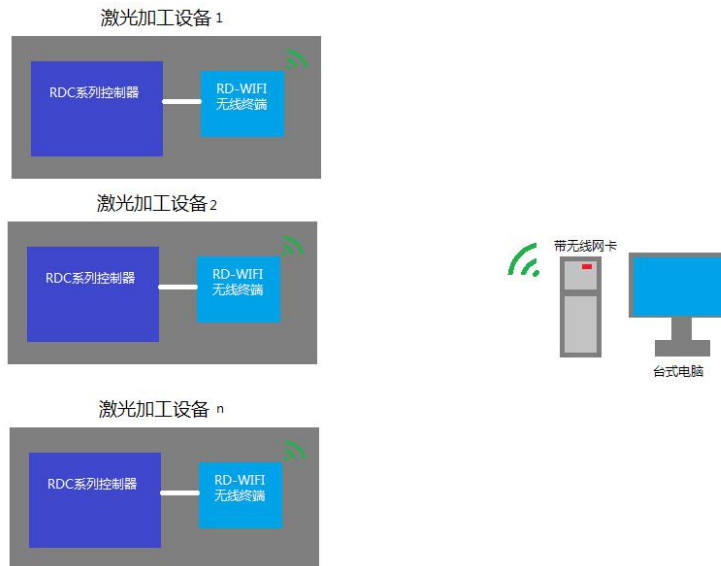


Figure-3 Multiple PC share the machine

Notes: This operating mode is different from sharing printer, due to the machine cannot do process task queue, so when multiple PC shared the machine, the previous task must be finished, otherwise it will be failed.

1.3 Multiple machines + One PC

Each wireless terminal has an independent WIFI name in this mode. So user can chose any one of WIFI to control the machine. All the machines WIFI name are listed in the wireless network. User can choose connecting the related WIFI name to control which machine.



1.4 Configuration:

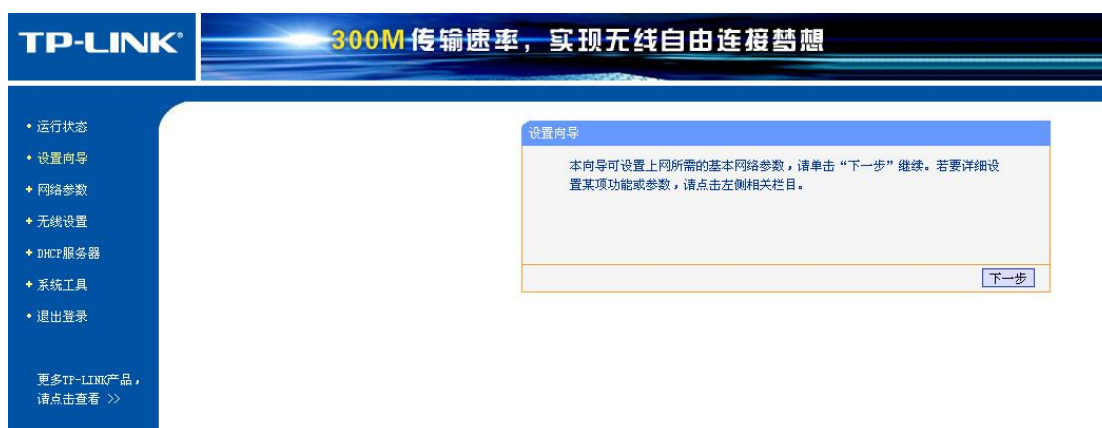
(1) Configured RD-WIFI

Connecting the computer and RD-WIFI, open the browser, input website: 192.168.1.253, and then enter into setup interface. Input user name and password:

User name: Admin

Password: Admin

Set them correctly, enter into the setup main interface, choose setup wizard, see below Figure:



Click “next”, enter into below interface, and choose AP.



Click “next”, enter into below interface:



Modify SSID to legible name, which will be showed in your wireless network. Such as: set RDWIFI0001. (Note: Each independent wireless terminal will be assigned a unique name when leave factory)

If need to set the connection password, the “wireless security option” is “WPA-PSK/WPA2-PSK”, and then input PSK password.



When configured, restart router, all the setup be effective.

(2) Configured desk-top or laptop

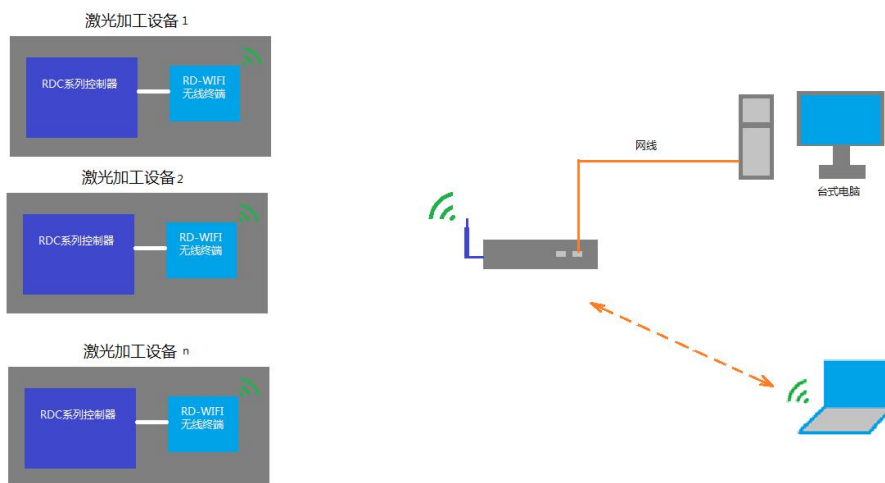
Choose the WIFI name “RDWIFI-XXX”, wireless connection showed “connected”, which means the computer and RD-WIFI smart module connected successfully, so user can use software through the host computer.



2 Network connections via external wireless router

2.1 Multiple machines + One PC

One PC can be desk-top and laptop. The connection method can be cable or wireless.



In this mode, user can provide wireless router by themselves, the router model can be commonly used.

2.2 Configured RD-WIFI terminal

Connecting the computer and RD-WIFI, input website: 192.168.1.253, below interface will be popped-up, click setup wizard, choose “Client” mode.



Click “next”.

TP-LINK

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运行状态

设置向导

网络参数

无线设置

DHCP服务器

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设置向导 - 无线设置

本向导页面设置Client模式基本参数

主AP的SSID：

TP-LINK_232744

主AP的BSSID：

3C-46-D8-23-27-44

例如：00-1D-0F-11-22-33

扫描

(请在下方选择主AP的加密类型，并输入主AP的无线密钥)

密钥类型：

无加密

WEP密钥序号：

1

密钥：

上一步

下一步

Choose “scan”, configured target router. Choose the use configured router name in the wireless list. Here take “machine control AP” as example:

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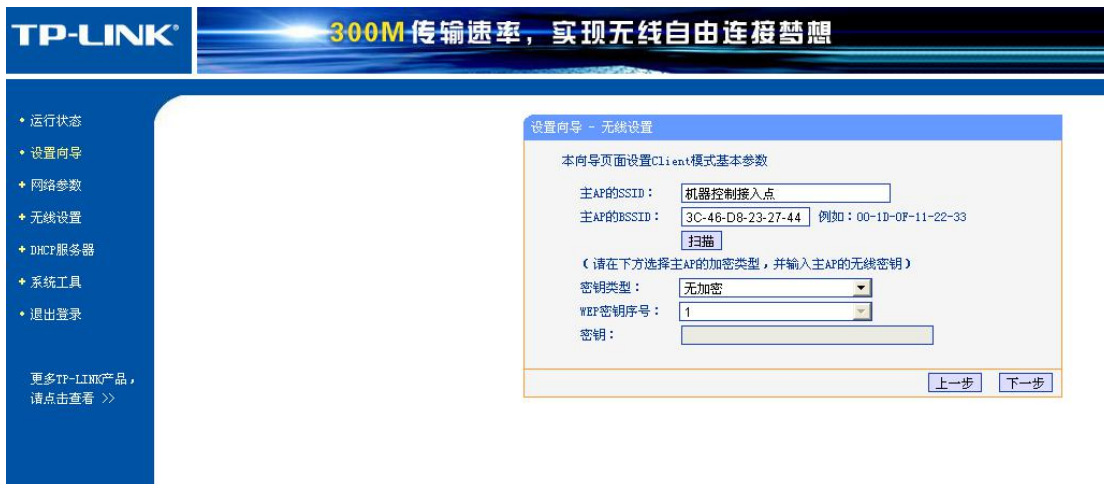
AP列表

扫描到的AP的信息如下：

AP数目： 12

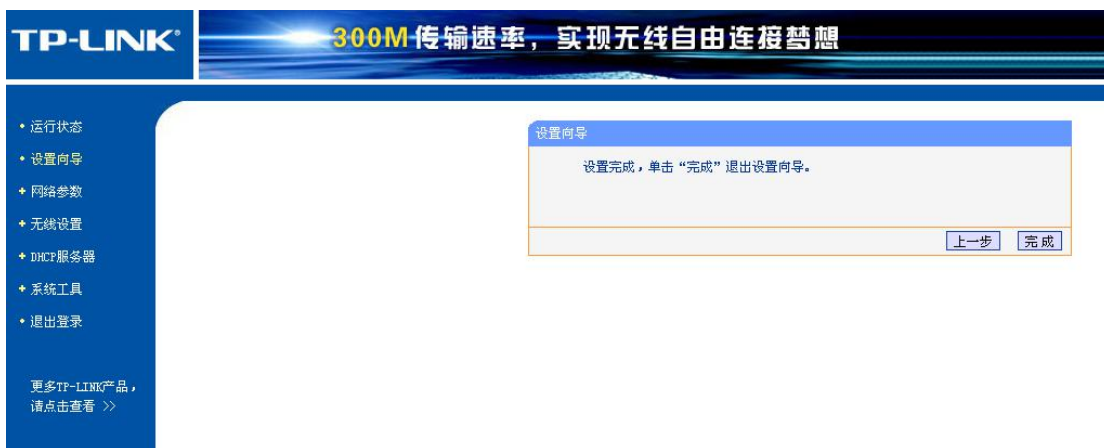
ID	BSSID	SSID	信号强度	信道	加密类型	选择
1	3C-46-D8-23-27-44	机器控制接入点	<div></div>	6	无加密	连接
2	A8-15-4D-B2-AE-AE	RDACC1	<div></div>	6	WPA/WPA2-PSK	连接
3	E4-41-7A-76-03-C6	ChinaNet-9Mr4	<div></div>	1	WPA/WPA2-PSK	连接
4	14-75-90-A1-72-6A	T08	<div></div>	6	WPA/WPA2-PSK	连接
5	28-2C-B2-F6-41-F3	RDACS2	<div></div>	11	WPA/WPA2-PSK	连接
6	20-89-86-19-DC-T2	CU_k2vd	<div></div>	11	WPA-PSK	连接
7	40-16-9F-3F-A0-26	TP-LINKS4	<div></div>	11	WPA/WPA2-PSK	连接
8	0C-4C-39-AD-80-CB	ChinaNet-YSMJ	<div></div>	6	WPA/WPA2-PSK	连接
9	78-D3-8D-AF-9A-D4	wifi-phonel0	<div></div>	2	WPA2-PSK	连接
10	C0-61-18-0D-52-02	szqhpwer	<div></div>	1	WPA/WPA2-PSK	连接

Click “connect”



The image shows the TP-LINK web interface for wireless settings. The header features the TP-LINK logo and the slogan "300M 传输速率，实现无线自由连接梦想". On the left is a navigation menu with options: 运行状态, 设置向导, 网络参数, 无线设置, DHCP服务器, 系统工具, and 退出登录. Below the menu is a link to "更多TP-LINK产品，请点击查看 >>". The main content area is titled "设置向导 - 无线设置" and contains the following fields: "主AP的SSID:" with the value "机器控制接入点", "主AP的BSSID:" with the value "3C-46-D8-23-27-44" and an example "例如：00-1D-0F-11-22-33", a "扫描" button, a note "(请在下方选择主AP的加密类型，并输入主AP的无线密钥)", "密钥类型:" set to "无加密", "WEP密钥序号:" set to "1", and an empty "密钥:" field. At the bottom right are "上一步" and "下一步" buttons.

Click “Next”



The image shows the completion screen of the TP-LINK wireless settings wizard. The header and navigation menu are identical to the previous screen. The main content area is titled "设置向导" and displays the message "设置完成，单击“完成”退出设置向导。". At the bottom right are "上一步" and "完成" buttons.

Client side is set successfully.

3 Main board network setting

3.1 Networking without external wireless router

In this mode, computer configured wireless network or module with wireless function. The wireless module IP address of host computer should be the same field to controller IP address. Such as: If the controller IP address is 192.168.1.100, user computer IP address can be 192.168.1.XX. XX cannot be 100. If there is more than one machine, different machine has different RD-WIFI name, so when one computer visits multiple machines, the controller IP address should be the same.

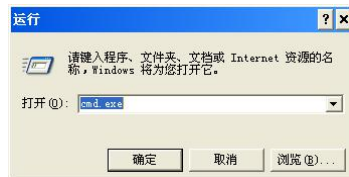
When visiting different machines, the computer should choose different wireless network name.

3.2 Networking by external wireless router

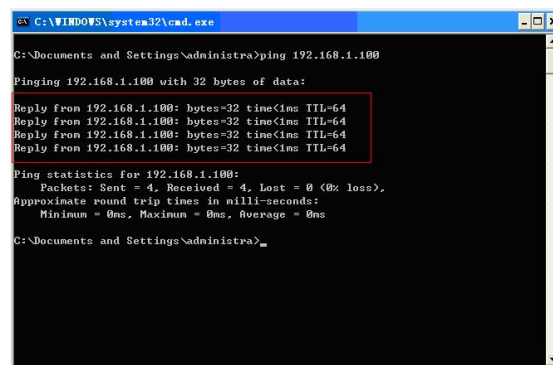
If networking by external wireless router, it is necessary to set different IP address for each connected machine. Meanwhile, there may be other network devices (computer) in this network, so the computer using a fixed IP address in network is recommended, in order to avoid connection failure for IP address conflict.

In addition, test the IP address whether be occupied:

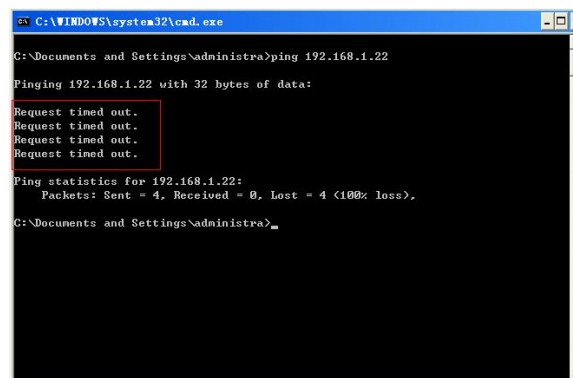
1> “start”—“run”, input “cmd.exe” in the popup dialog, and then “OK”.



2> Enter command into the popup command line: ping+ be tested IP, such as “ping 192.168.1.100”, if connected, the below picture will be popped up, received the respond information, that means connected successfully and this IP address already been occupied.



If connection failed, the time-out information will be popped up, which means this IP address is not in use.



After finished, different operations for each machine according to different IP address in machine control operation.



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Пн	Вт	Ср	Чт	Пт	Сб	Вс
8 ⁰⁰ -17 ⁰⁰				8 ⁰⁰ -16 ⁰⁰	выходной	