

# WIFI MODULE FOR JT-RD6006/RD6012

JT-RD6006-CON



## 1. GENERAL INFORMATION

Dear customer,

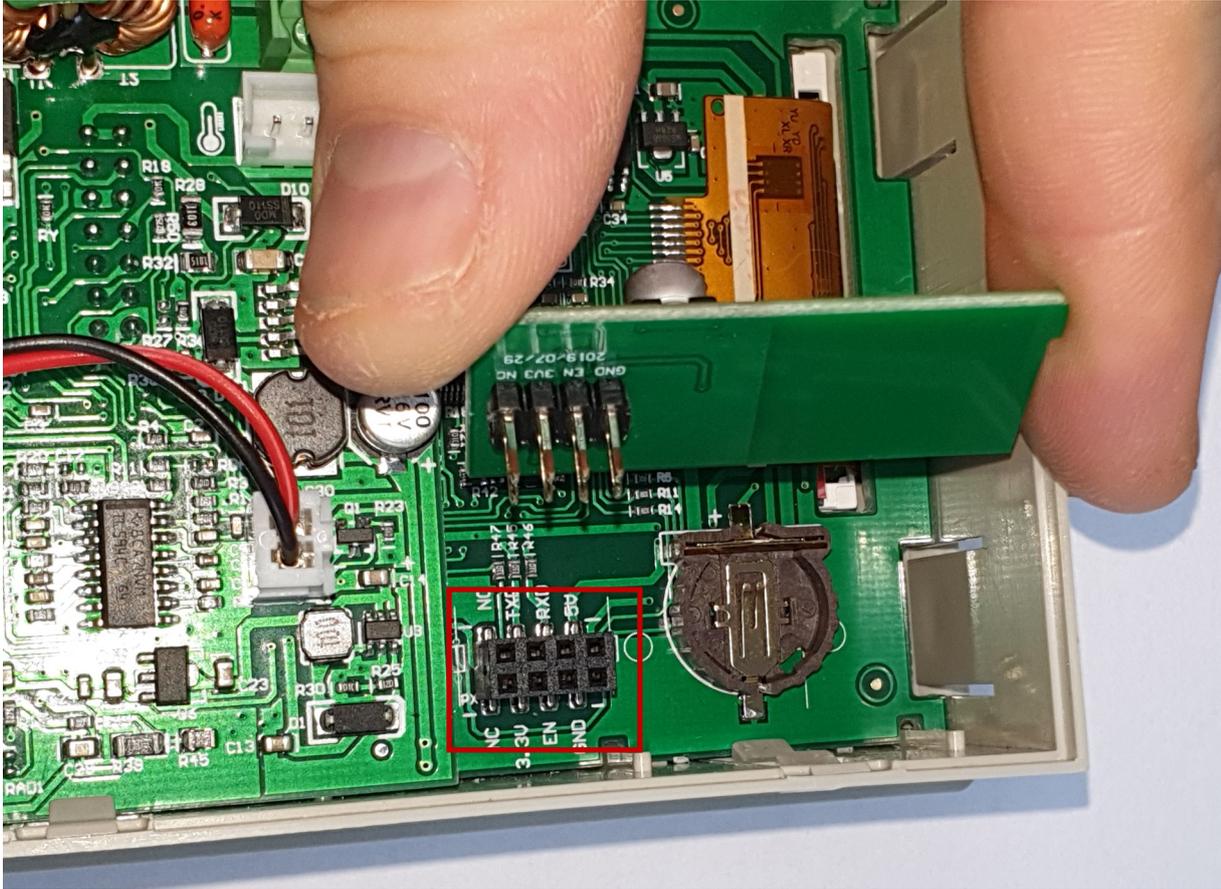
Thank you for purchasing our product. In the following, we will show you which things should be noted during the use.

Should you encounter any unexpected problems, do not hesitate to contact us.

The JT-RD6006-CON is a wireless interface that allows controlling the JT-RD6006 or JT-RD6012 power supply via PC software or Smartphone App.

## 2. ASSEMBLY

To install the Wifi module, simply plug the module into the space provided in the power supply unit.



Pay attention to the correct alignment of the module!



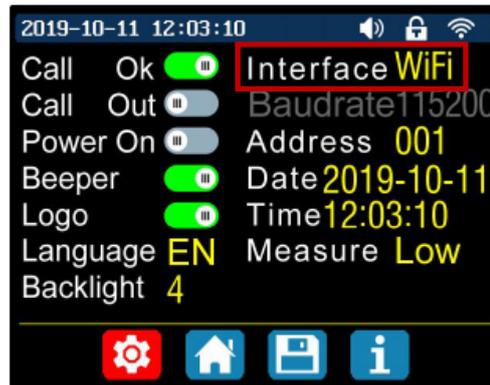
### 3. PC-SOFTWARE

To control the power supply from the app, you must first enable WiFi.

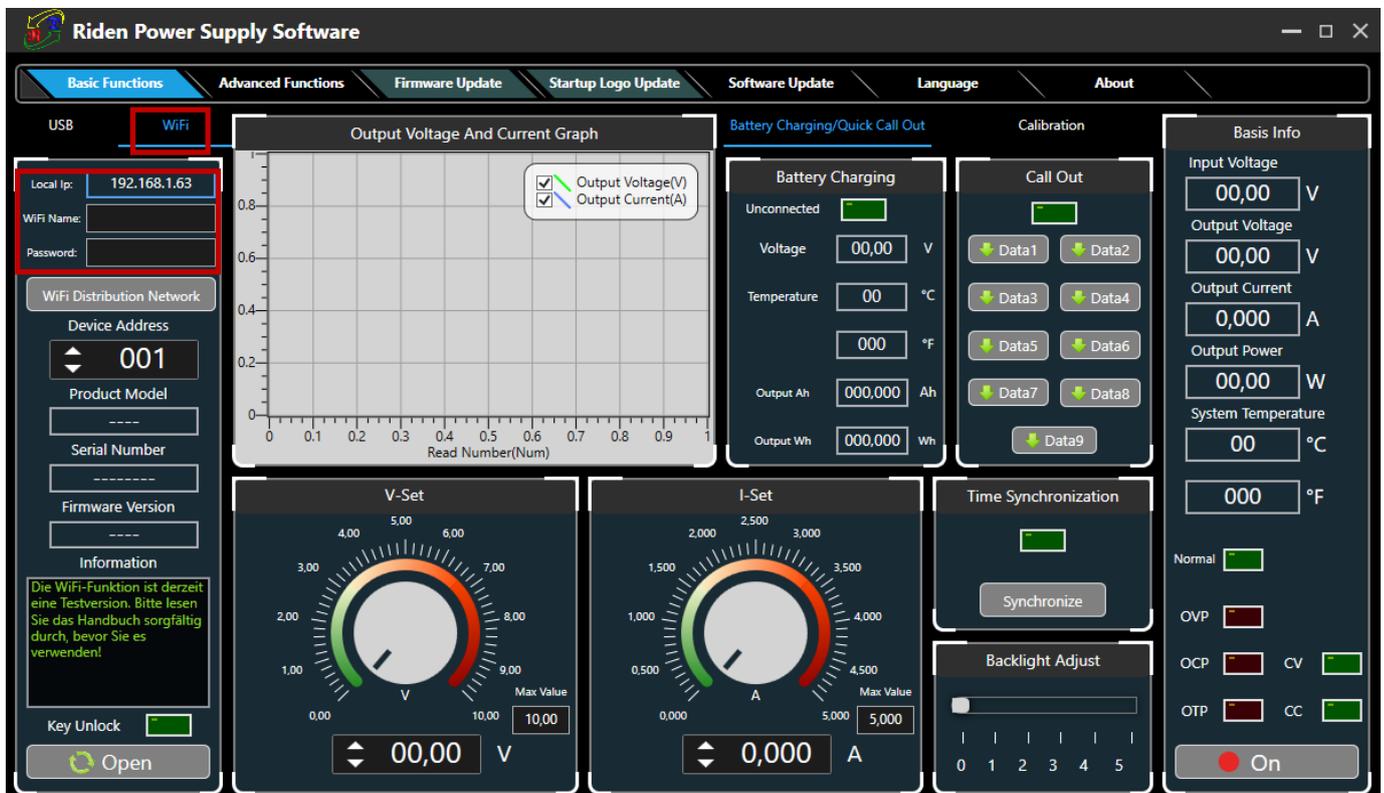
To do so, press Shift and then 0 to enter the menu.

Now press Enter and use the arrow keys to navigate to Interface.

Now turn the knob to select WiFi and press the knob several times to confirm and go back.



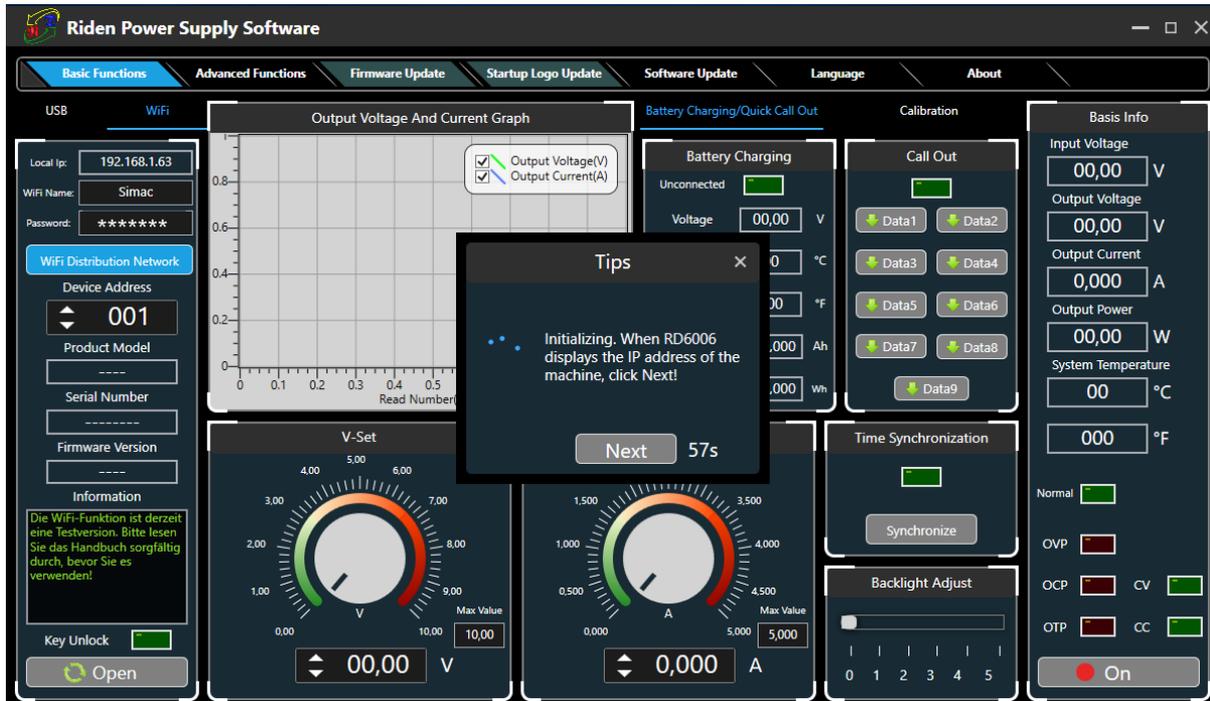
The changes will be applied after the restart of the power supply. The power supply will automatically use the strongest WiFi network. Make sure that your computer is on the same network.



Click WiFi, enter the name and password of your wireless network under your displayed IP address, press WiFi Distribution and restart your power supply.

Once your IP address is displayed on your power supply, click Next.

If an incorrect IP address is displayed on your power supply, navigate to Reset using the arrow keys and confirm with ENTER. The IP is now determined again.



Your power supply unit now receives the necessary information to connect to your computer. This may take a few seconds.



You can then connect your power supply unit to the PC software by clicking on Open in the lower left corner.

Graphical representation

Batteriestatus

Call up data groups

Info

The screenshot shows the main interface of the Riden Power Supply Software. It features a top navigation bar with tabs: Basic Functions, Advanced Functions, Firmware Update, Startup Logo Update, Software Update, Language, and About. The main area is divided into several sections:

- Left Panel:** Contains connection settings (Local Ip: 192.168.1.63, Wifi Name: Simac, Password: \*\*\*\*\*) and device information (Device Address: 001, Product Model: RD6006, Serial Number: 00001046, Firmware Version: V1.25). A 'Break' button is at the bottom.
- Top Center:** 'Output Voltage And Current Graph' showing a plot of Output Voltage (V) and Output Current (A) over Read Number (Num).
- Bottom Center:** Two large circular gauges for 'V-Set' (set to 20.00 V) and 'I-Set' (set to 1.000 A). Below them are 'Maximum Output voltage' and 'Maximum Output current' labels.
- Right Panel:** 'Basis Info' section showing real-time data: Input Voltage (64.67 V), Output Voltage (00.00 V), Output Current (0.000 A), Output Power (00.00 W), and System Temperature (33 °C). It also includes status indicators for Normal, OVP, OCP, and OTP, and an 'On/Off' switch.
- Other Sections:** 'Battery Charging' (Voltage: 00.00 V, Temperature: 31 °C), 'Call Out' (Data1-Data9), and 'Time Synchronization' (Synchronize button).

Red arrows point from external labels to these specific elements:

- 'Connect / Disconnect' points to the 'Break' button.
- 'Selected output voltage' points to the '20,00 V' value in the V-Set gauge.
- 'Maximum Output voltage' points to the '10,00' value in the V-Set gauge's Max Value field.
- 'Selected output current' points to the '1,000 A' value in the I-Set gauge.
- 'Maximum Output current' points to the '5,000' value in the I-Set gauge's Max Value field.
- 'Background-brightness' points to the 'Backlight Adjust' slider.
- 'Output ON/OFF' points to the 'On' button in the Basis Info section.

Data group selection

This screenshot shows the 'Data Array Operation' and 'Programming Output' screens. The 'Data Array Operation' screen has a dropdown menu set to 'Data0' and several input fields for V-SET, I-SET, S-OVP, and S-OCP. The 'Programming Output' screen features a graph and a table of programming data.

No.	V-SET(V)	I-SET(A)	Delay(S)	Status
001	00.00	1.000	0005	
002	01.00	1.000	0005	
003	02.00	1.000	0005	
004	03.00	1.000	0005	
005	04.00	1.000	0005	
006	05.00	1.000	0005	
007	04.00	1.000	0005	
008	03.00	1.000	0005	
009	02.00	1.000	0005	
010	01.00	1.000	0005	
011	00.00	1.000	0005	
012	01.00	1.000	0005	
013	02.00	1.000	0005	
014	03.00	1.000	0005	
015	04.00	1.000	0005	
016	05.00	1.000	0005	
017	04.00	1.000	0005	
018	03.00	1.000	0005	

Red arrows point from external labels to these elements:

- 'Read data groups' points to the 'Read' button.
- 'Write data groups' points to the 'Write' button.
- 'Intervals Setting' points to the 'Cycle Times' field (set to 001).

Read data groups

Write data groups

Intervals Setting

## 4. ANDROID APP

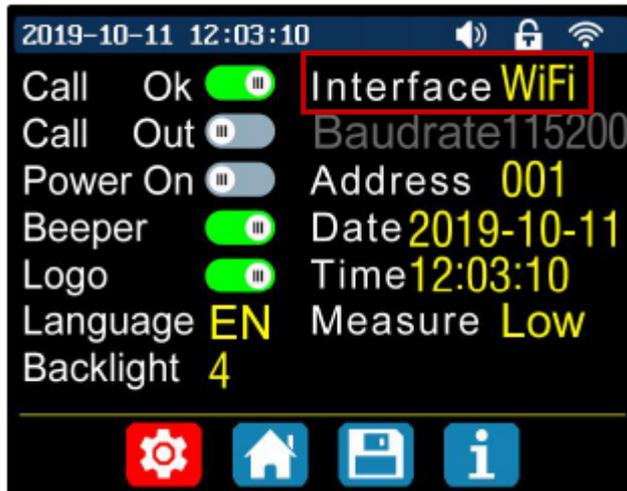
To control the power supply from the app, you must first enable WiFi.

To do so, press Shift and then 0 to enter the menu.

Now press Enter and use the arrow keys to navigate to Interface.

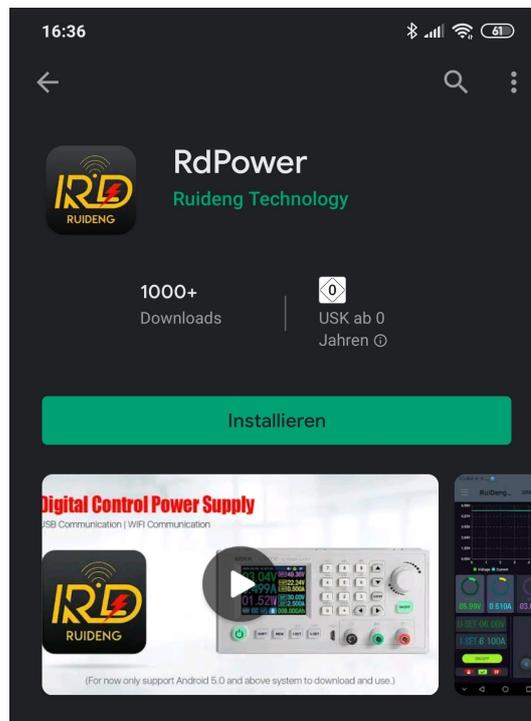
Now turn the knob to select WiFi and press the knob several times to go back.

The power supply will automatically use the strongest WiFi network.



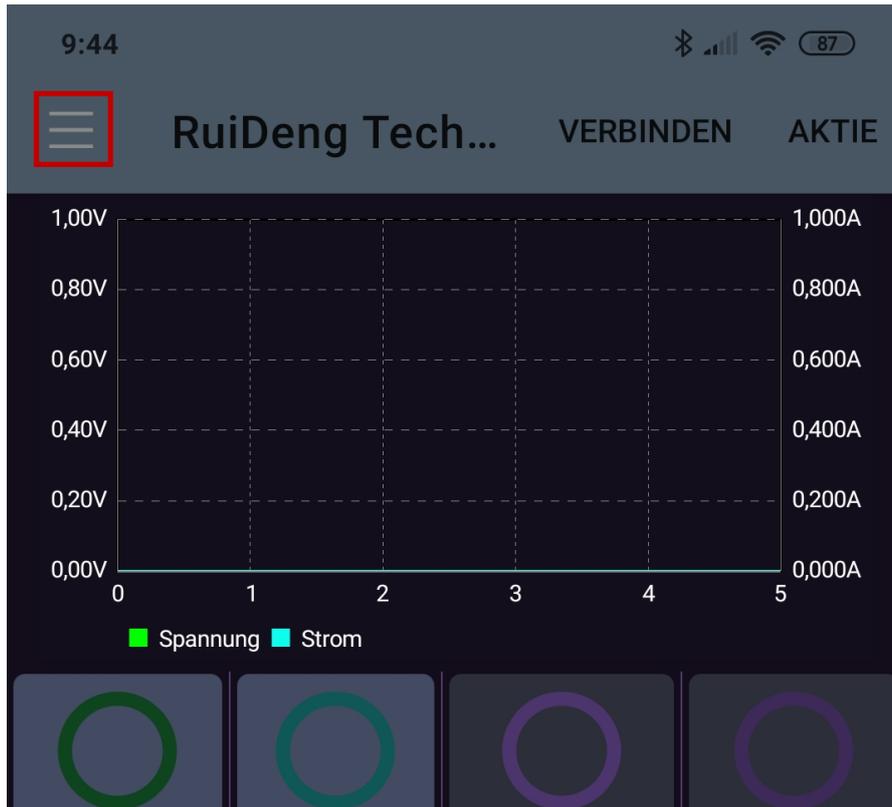
You must now restart the power supply.

Now install the App RdPower from Ruideng Technology from the Play Store.



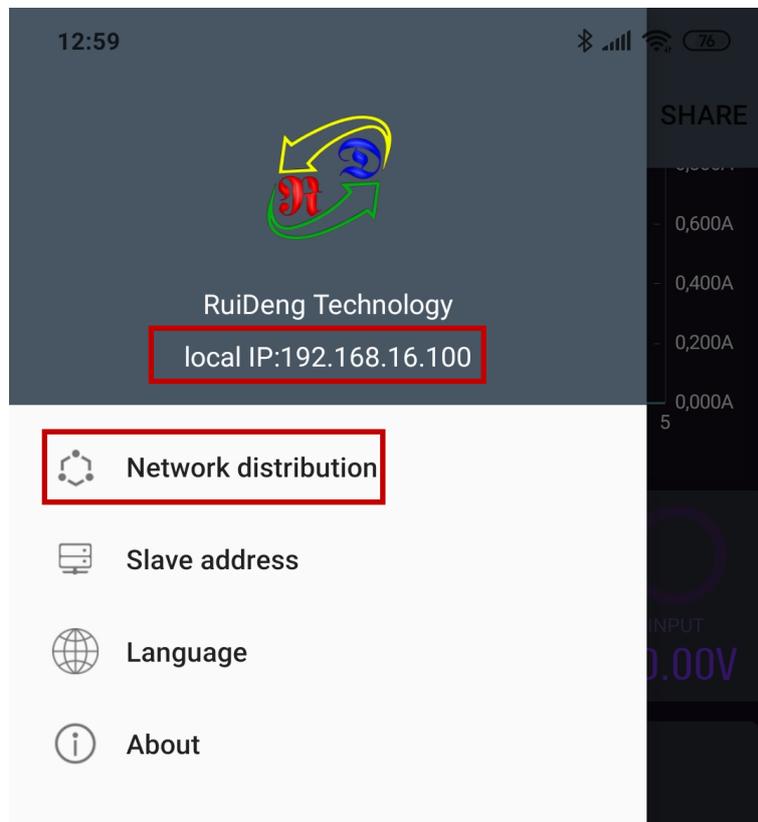
You must give the app the permissions it requires to work.

Open the app and press the button in the upper left corner to enter the menu.

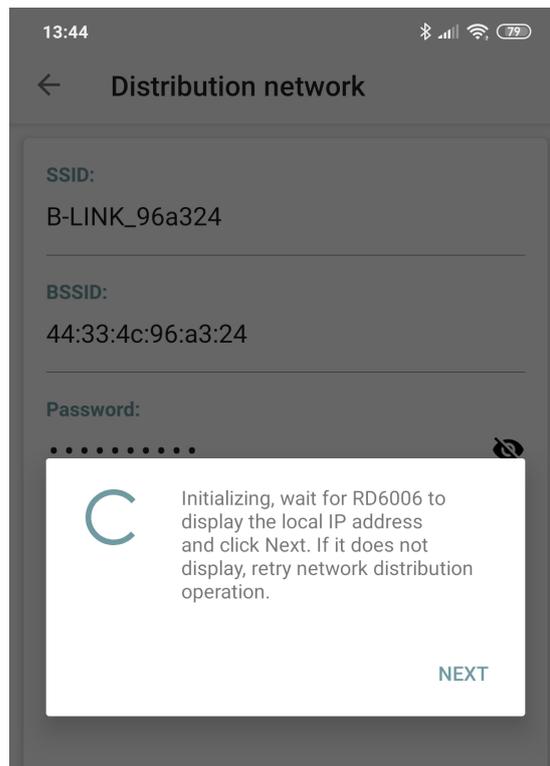


Here you can see your IP address, you will need this later.

Now go to Distribution Network and also restart the power supply.



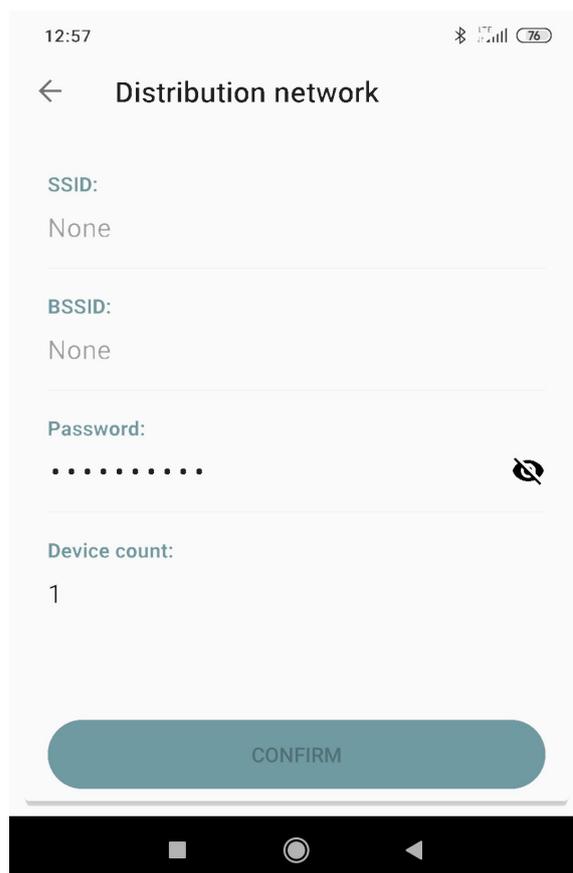
You should now see the following in your app:



Once your IP address, which you could see in the app before, is displayed on the screen of your power supply, you can click NEXT.

If an incorrect IP address is displayed on your power supply, use the arrow keys to navigate to Reset and confirm with ENTER. The IP is now determined again.

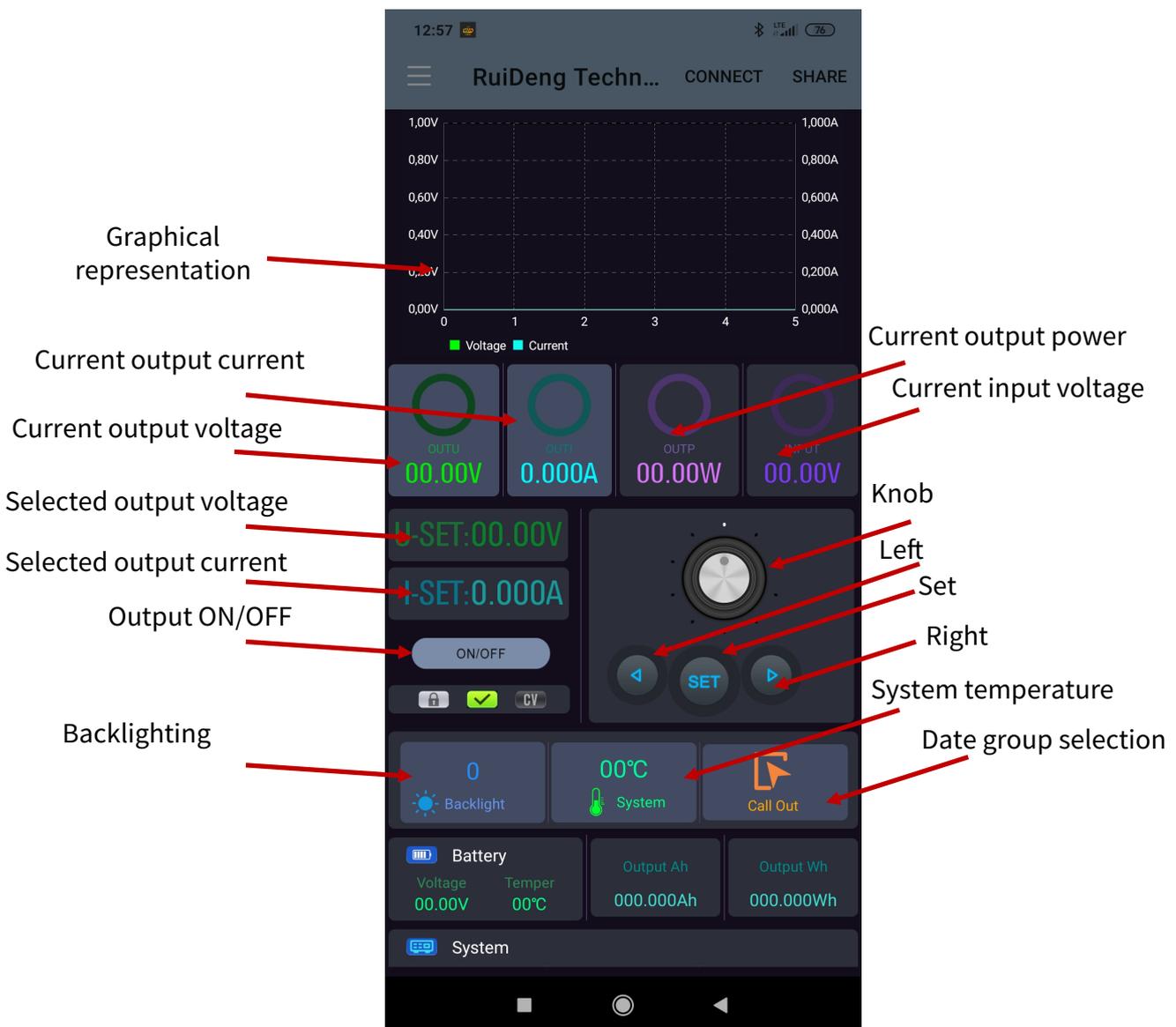
Now you have to enter the password of your WiFi network and click CONFIRM.



After a short wait, you can now connect your smartphone to your power supply by clicking on CONNECT.



Now you can operate the power supply with your smartphone. Please note, however, that the power supply cannot be adjusted manually as long as your smartphone is connected.



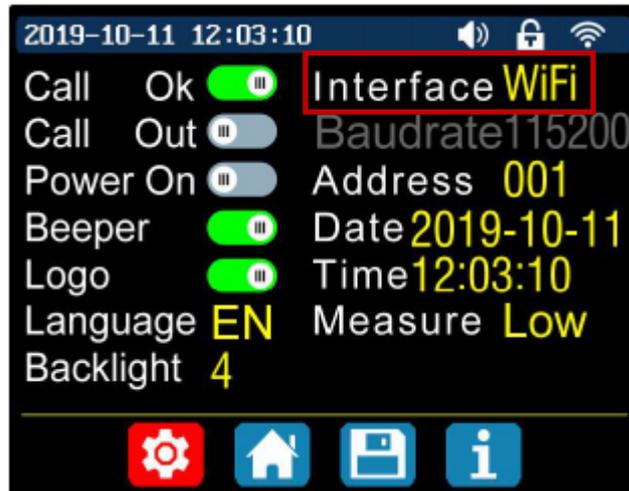
## 5. IOS APP

To control the power supply from the app, you must first enable WiFi.

To do so, press Shift and then 0 to enter the menu.

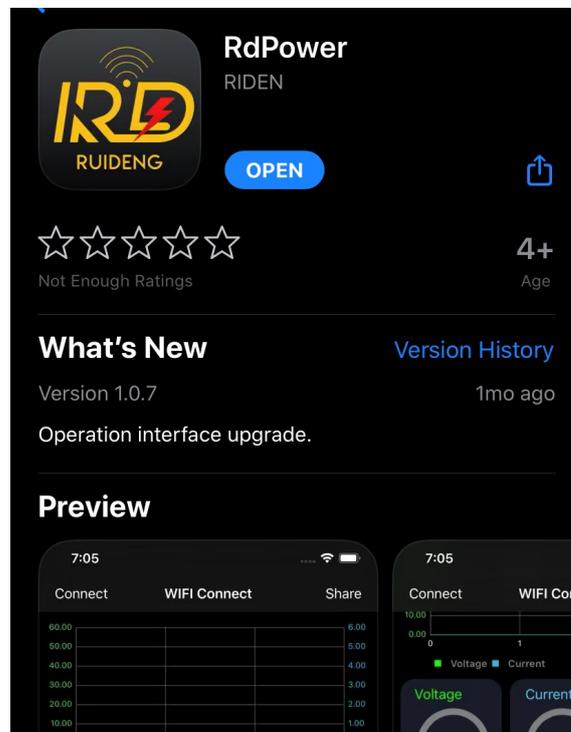
Now press Enter and use the arrow keys to navigate to Interface.

Now turn the knob to select WiFi and press the knob several times to go back.



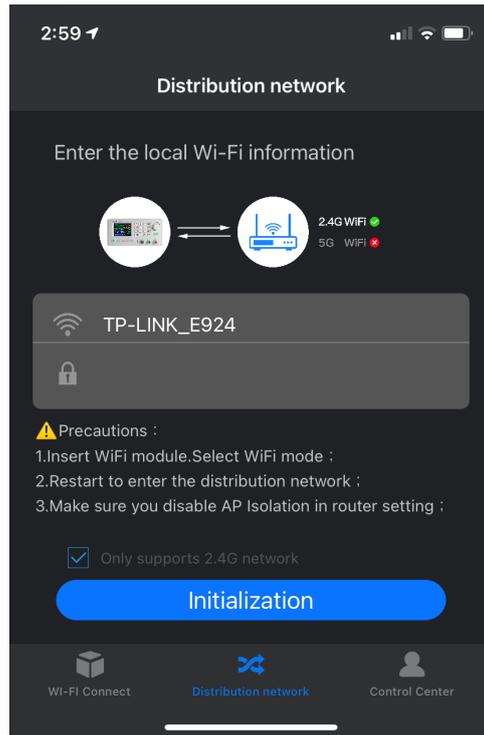
You must now restart the power supply.

Now install the App RdPower from Ruideng Technology from the App Store.

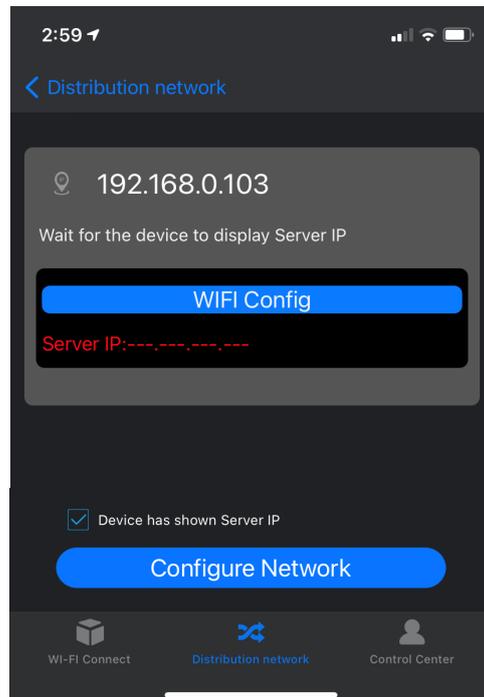


You must give the app the permissions it requires to work.

Open now the app and move to the area named *Distribution network* where you have to establish the connection with the device.

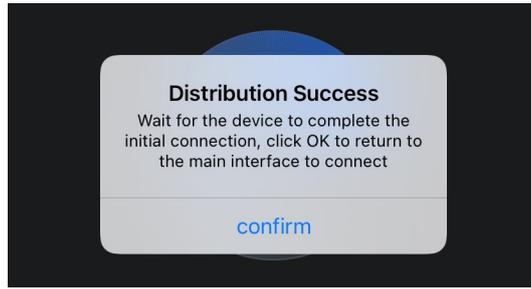
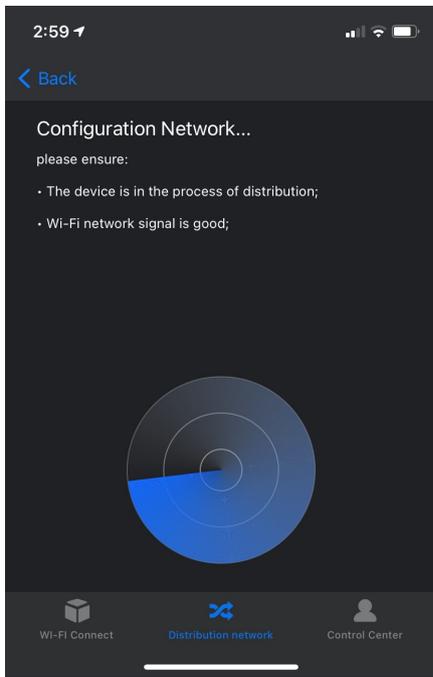


Now enter the password of your network, check *Only supports 2.4G network* and click on **Initialization**.



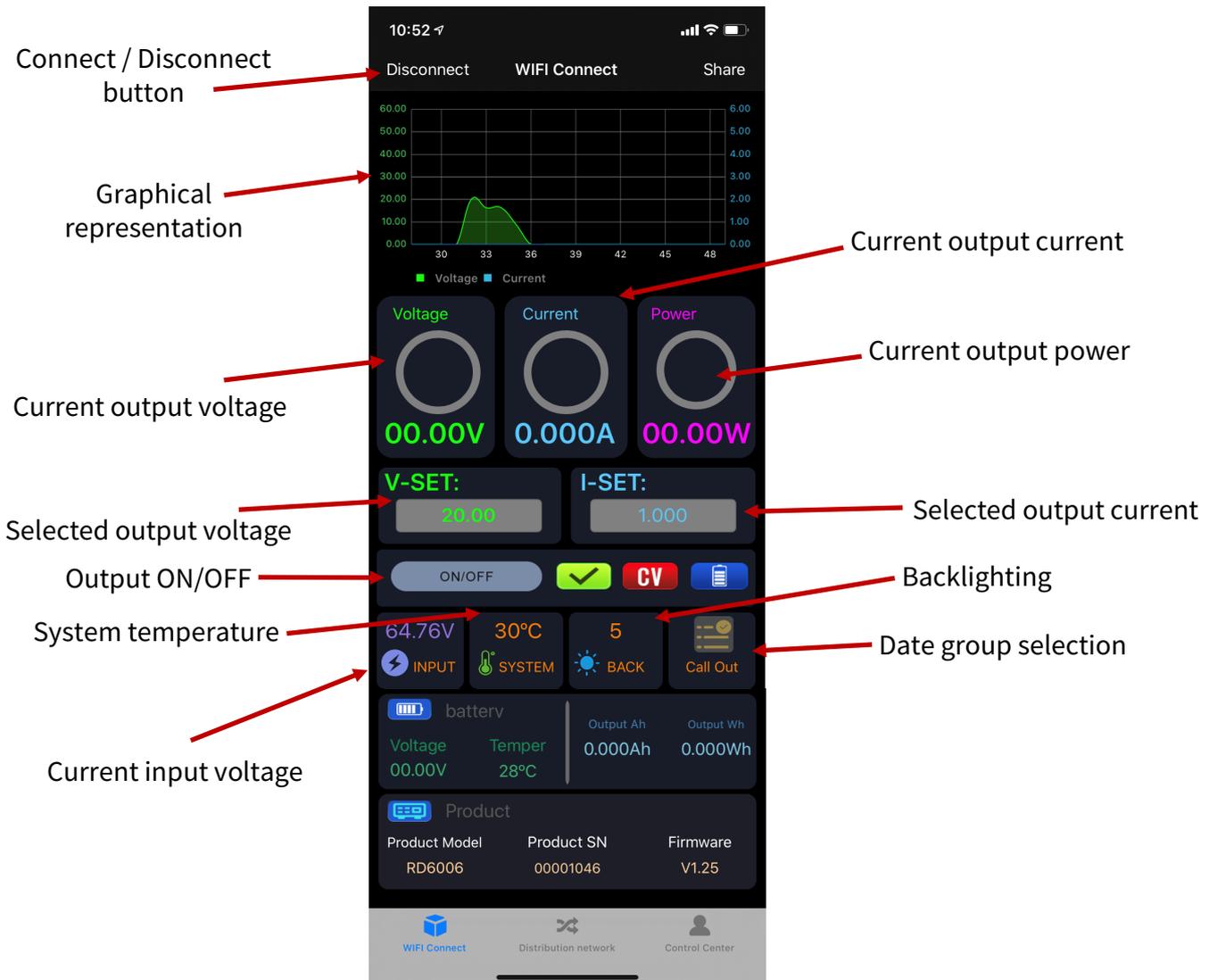
If the IP address on your iPhone is the same as the IP address on the device, check *Device has shown Server IP* and click **Configure Network** to establish a connection.

If an incorrect IP address is displayed on your power supply, use the arrow keys to navigate to Reset and confirm with ENTER. The IP is now determined again.



After, you have successfully connected, you can access the home screen in the *WiFi Connect* area. There, you can activate the direct connection to the device and use the functions of the RD6006 or of the RD6012.

Note, however, that the power supply can no longer be adjusted manually while your phone is connected.



## 6. ADDITIONAL INFORMATION

Our Information and Take-back Obligations according to the Electrical and Electronic Equipment Act (ElektroG)



### Symbol on Electrical and Electronic Products:

This crossed-out bin means that electrical and electronic products do not belong into the household waste. You must hand over your old appliance to a registration place. Before you can hand over the old appliance, you must remove used batteries and replacement batteries which are not enclosed by the device.

### Return Options:

As the end user, you can hand over your old appliance (which has essentially the same functions as the new one bought with us) free of charge for disposal with the purchase of a new device. Small devices, which do not have outer dimensions bigger than 25 cm can be handed in for disposal independently of the purchase of a new product in normal household quantities.

#### 1. Possibility of return at our company location during our opening hours

Simac Electronics GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn

#### 2. Possibility of return nearby

We will send you a parcel stamp with which you can send us your old appliance free of charge. For this possibility, please contact us via e-mail at [service@joy-it.net](mailto:service@joy-it.net) or via telephone.

### Information about Package:

Please package your old appliance safe for transport. Should you not have suitable packaging material or you do not want to use your own material, you can contact us and we will send you an appropriate package.

## 7. SUPPORT

If any questions remained open or problems may arise after your purchase, we are available by e-mail, telephone and ticket support system to answer these.

E-Mail: [service@joy-it.net](mailto:service@joy-it.net)

Ticket-system: <http://support.joy-it.net>

Telephone: +49 (0)2845 9360 – 50 (9:30 - 17:00 o'clock)

For further information visit our website:

[www.joy-it.net](http://www.joy-it.net)