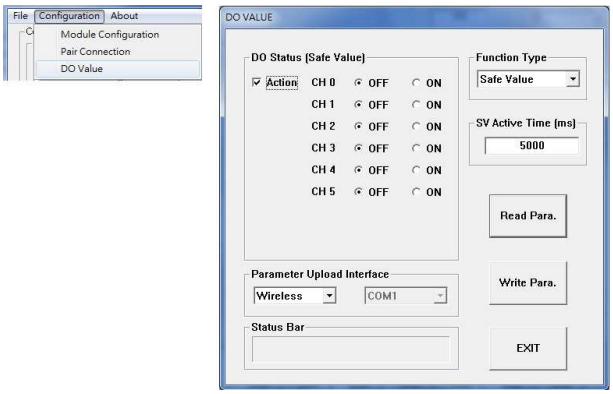
WF-2000 FAQ

Q01: How to avoid the WF-2000 DO output memory effect is the connection between the modules is lost?

A01: Users can enable the WF-2000 Utility "Safe Value" function to achieve this requirement.



Q02: Why WF-2000 Utility(v2.0 or later) can't execute on Windows OS?

A02: ICP DAS WF-2000 Utility(v2.0 or later) requires .NET Framework v4.0,this program will automatically detect the .NET Framework v4.0 installed as well or not. Users can install .NET Framework v4.0 in the following website.

Microsoft .NET Framework 4 (Web Installer)
http://www.microsoft.com/en-us/download/details.aspx?id=17851

Microsoft .NET Framework 4 (Standalone Installer)
http://www.microsoft.com/en-us/download/details.aspx?id=17718

Q03: How to increase the connection distance?

A03: We suggest replacing the High-power antenna as follow to increase the connection distance, such as ANT-8 / ANT-15 / ANT-18, etc.
http://www.icpdas.com/root/product/solutions/industrial_wireless_communication/wlan_products/ant-8.html
http://www.icpdas.com/root/product/solutions/industrial_wireless_communication/wlan_products/ant-15.html
http://www.icpdas.com/root/product/solutions/industrial_wireless_communication/wlan_products/ant-18.html

Q04: Why WF-2000 series could not establish a connection with the wireless AP in an encrypted mode setting?

A04: Please check the WF-2000 series encryption configuration, WF-2000 Series supports the following encryption mode only.

1. WEP-64
2. WEP-128
3. WPA-TKIP
4. WPA2-AES

Not support the WPA2-TKIP.

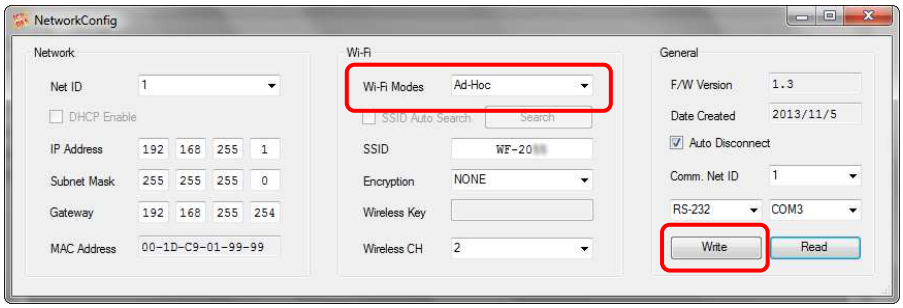
Q05: How to establish a connection with the smart phone?

A05:

A. Smartphone support Ad Hoc Connectivity

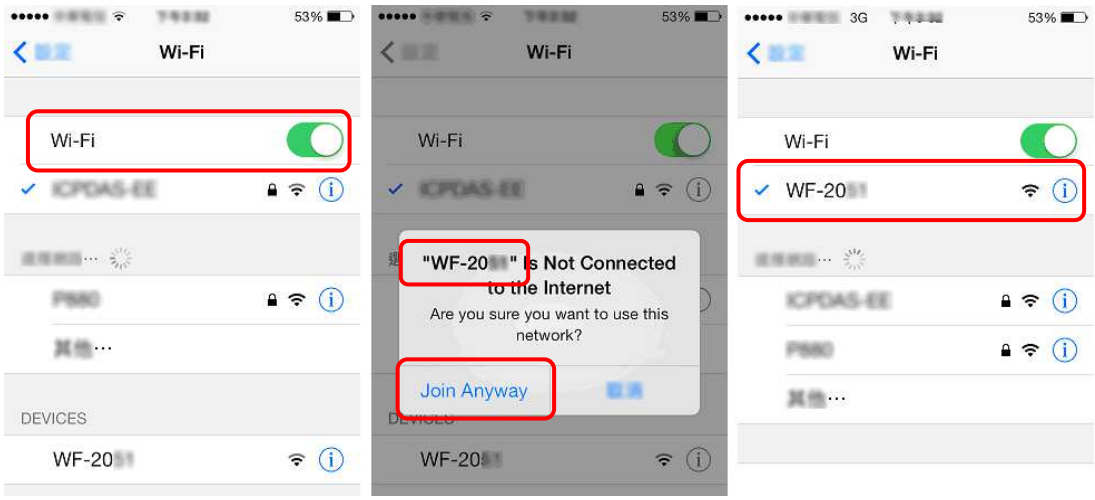
a. WF-2000 Wi-Fi network configuration (CONFIGURATOIN)

a1. Set the Wi-Fi Mode as "Ad-Hoc"，the rest are reserved factory default settings



b. Smartphone Wi-Fi network configuration

b1. Open the Smartphone Wi-Fi interface, select the WF-20xx devices join the network and confirmed



c. Smartphone network IP address and subnet mask settings

c1. Entry the IP address as "192.168.255.x", where "x" is a number between 1 and 254 except WF-2000's IP address.

c2. Subnet mask as"255.255.255.0"

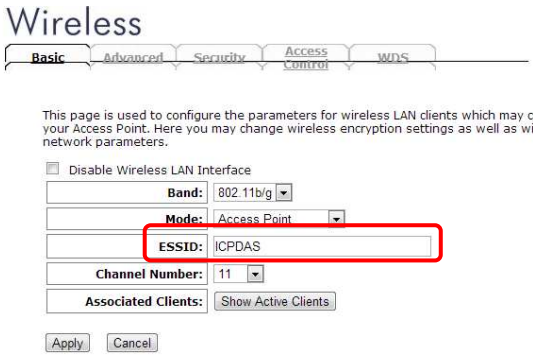
d. After the above settings, you can use your Smartphone to connect to the WF-2000 (IP address "192.168.255.1")

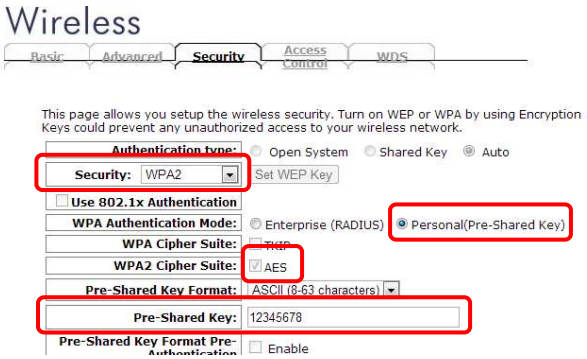
B. Smartphone does not support Ad Hoc connection method (need to use with a wireless AP)

a. Configuration of wireless AP

a1. Set SSID as "ICPDAS"(Can be arbitrarily set)

a2. Set Encryption as"WPA2-PSK(AES) "，Key as"12345678"(If you cancel this setting without encryption)





b. WF-2000 Wi-Fi network configuration (CONFIGURATOIN)

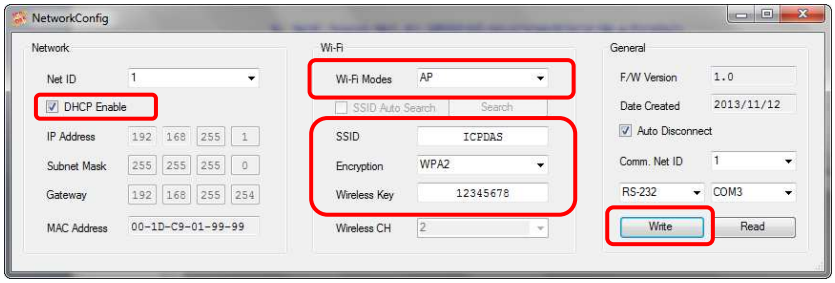
b1. Checked "DHCP Enable" checkbox to enable DHCP function

b2. Set Wi-Fi Mode as "AP"

b3. Set SSID as "ICPDAS"

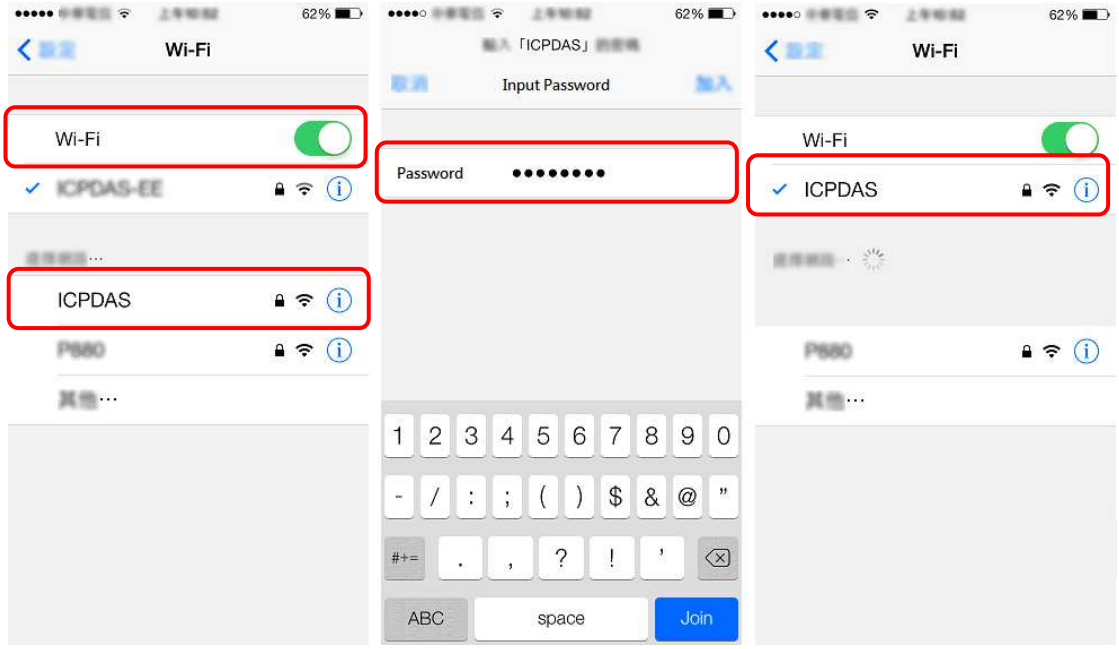
b4. Set Encryption as "WPA2"，Wireless Key as"12345678"(If you cancel this setting without encryption)

b5. The rest are reserved factory default settings



c. Smartphone Wi-Fi network configuration

c1. Open the Smartphone Wi-Fi interface,，select "ICPDAS" network，set key as "12345678"and join the network



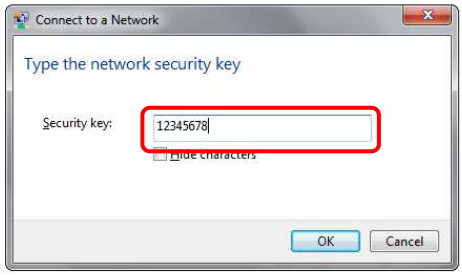
d. Network configuration of Smartphone

d1. Set as "DHCP" mode

e. Search WF-2000 IP address

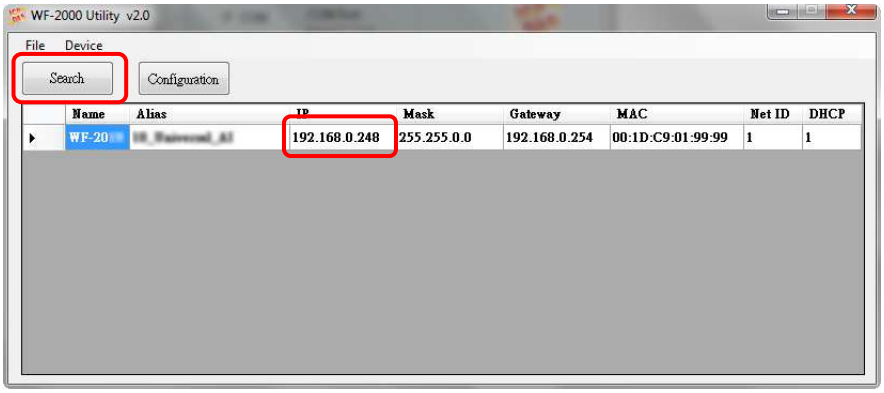
e1. Please connect the computer to the wireless AP

e2. Open the Wi-Fi interface, select "ICPDAS" network and set key as "12345678" to join the network



e4. Open "WF-2000 Utility v2.0"

e5. Click "Search" button to search WF-2000 devices，it will obtain an IP address as the device list

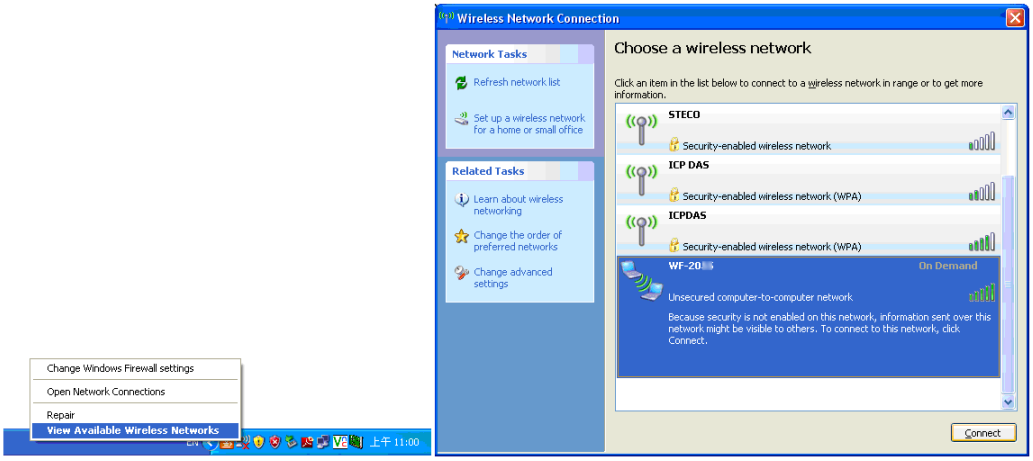


f. After the above settings, you can use your Smartphone to connect to the WF-2000 (IP address "192.168.0.248")

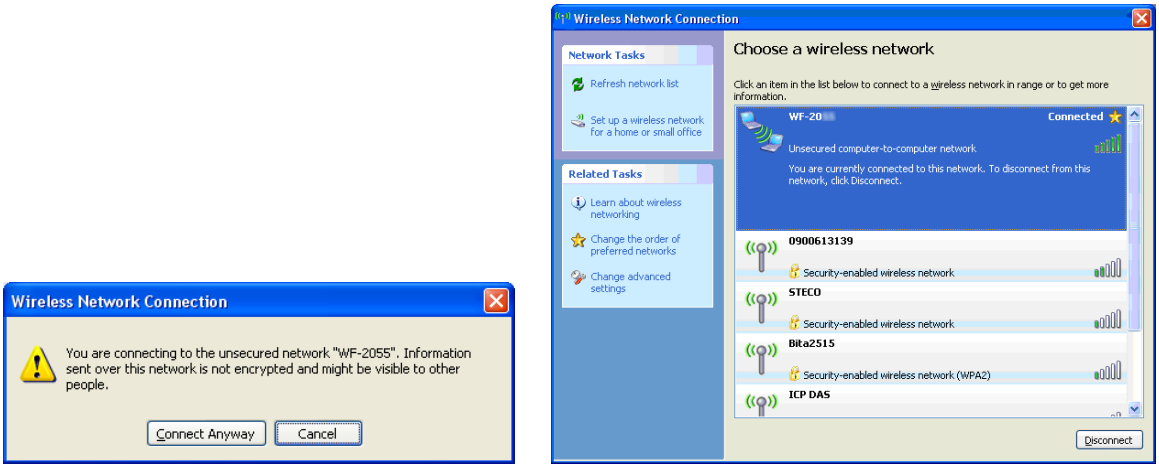
Q06: How to establish a connection between WF-2000 I/O modules and personal computer?

A06:

a. View available wireless networks and you can see the "WF-20xx" wireless network in the list. Select the "WF-20xx" and press the "Connect" button.



b. Press the "Connect Anyway" button for the next step. After waiting for a while, there will appear connection success screen.



Q07: How to configure the WF-2000 DI / DO series to Pair Connection mode?

A07: Use two WF-2055 devices for operation example

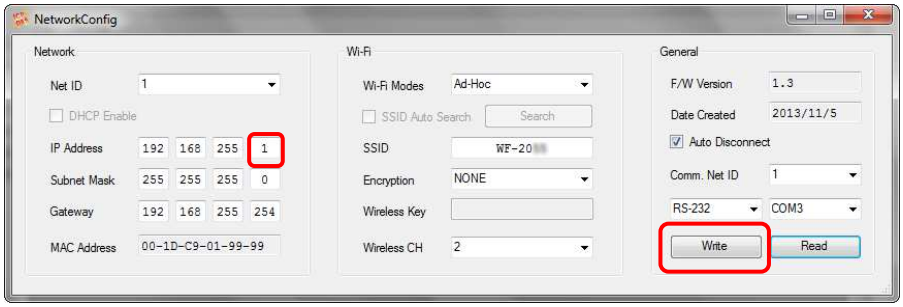
A. The configuration of first WF-2055

a. CONFIGURATOIN Setting

a1. Set the Local IP as "192.168.255.1"

a2. The rest are reserved factory default settings

a3. Click the "Write Para." button to take the parameters effect.



b. PAIR CONNECTION Setting

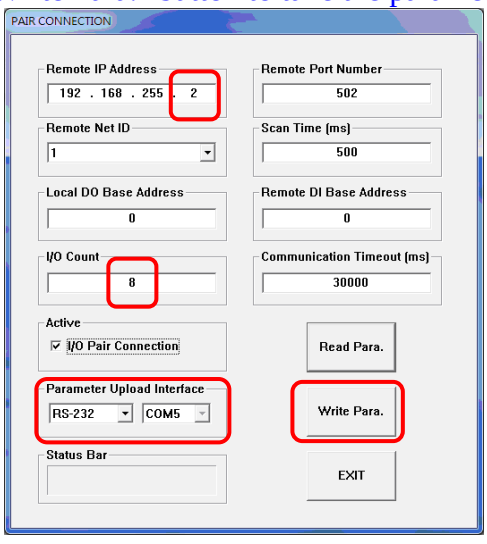
b1. Set the Remote IP as "192.168.255.2"

b2. Set the I/O count as "8"

b3. Checked "I/O Pair Connection" checkbox to enable pair connection

b4. The rest are reserved factory default settings

b5. Click the "Write Para." button to take the parameters effect.



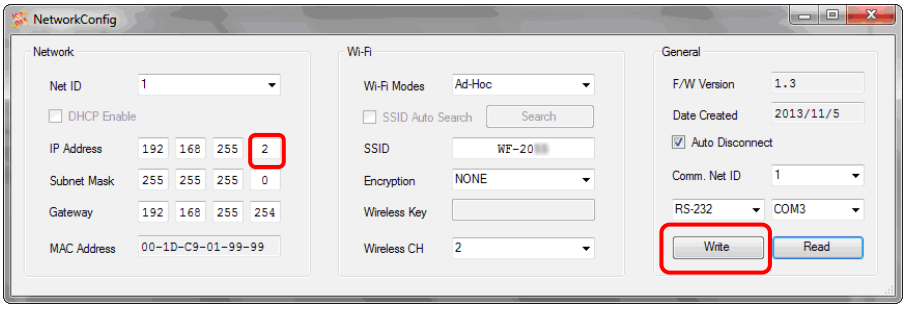
B. The configuration of second WF-2055

a. CONFIGURATOIN Setting

a1. Set the Local IP as "192.168.255.2".

a2. The rest are reserved factory default settings.

a3. Click the "Write Para." button to take the parameters effect.



b. PAIR CONNECTION Setting

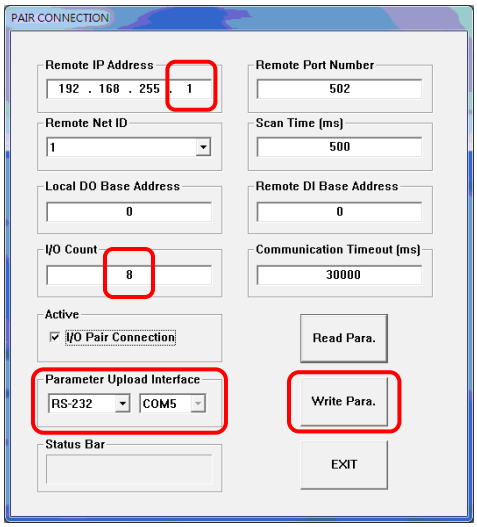
b1. Set the Remote IP as "192.168.255.1".

b2. Set the I/O count as "8".

b3. Checked "I/O Pair Connection" checkbox to enable pair connection.

b4. The rest are reserved factory default settings.

b5. Click the "Write Para." button to take the parameters effect.



C. Connection Test of Pair Connection

c1. After completion of the above settings, re-power on the two sets of WF-2055.

c2. The connection will established automatically after about 10 seconds.

c3. Any one of WF-2055's DI is triggered, then another WF-2055's corresponding DO will automatically output.