

**Q08. My system is Win7/Win8/Win10, and I cannot connect WF-2000 via Ad-Hoc network, what should I do?**

A08. Operating systems Win7/Win8/Win10 do not support Ad-Hoc connection. Users can enable this function by third-party tool "Wi-Fi Scanner" of Lizard System.

Link: <https://lizardsystems.com/wi-fi-scanner/index.php>

- (1) Open the Software.
- (2) Find the SSID of WF-2000 module (Ad-Hoc Mode).
- (3) Right click the SSID and click the "Connect" selection.
- (4) If the connection is successful, please close the Wi-Fi Scanner tool. It will run in the background and do not make your connection busy.

**Q09. What is the difference between the Ver.B and the older version firmware?**

A09. The WF-2000 firmware Ver.B version supports the infrastructure and limit AP mode. All the Ver.B WF-2000 module can be wireless router (AP).

The older version supports the infrastructure and Ad-Hoc mode. Users can connect to WF-2000 directly via Ad-Hoc.

		Ver.B	Older version
Protocol		IEEE 802.11 b/h/n	IEEE 802.11 b/g
Wi-Fi Mode	Infrastructure Mode	Yes	Yes
	Limit AP Mode	Yes	N/A
	Ad-Hoc	N/A	Yes

**Q10. How can I make Wi-Fi connection range larger than 1km?**

A10. External antenna and PA are required. We test with ANT-15 and ALFA AGAG05PoE. We make the connection test with WF-2571 and its diagram is show below. The both NB(Notebook) make the remote desktop connection with each other. The communication environment is LOS.

**NB1 + WF-2571 + PA + ANT-15 <----- Ad-Hoc -----> ANT-15 + PA + WF-2571 + NB2**

(NB: Notebook)

The connection failed on 2020m. That is larger than 1km. ALFA AGAG05PoE:

[https://www.alfa.com.tw/products\\_show.php?pc=117&ps=157](https://www.alfa.com.tw/products_show.php?pc=117&ps=157)

ANT-15:

[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-15.html)

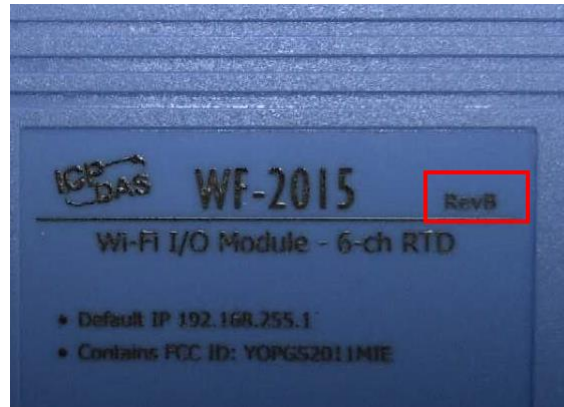
**Q11. The WF-2000 can't establish the Wi-Fi connection after setting with Utility.**

**How can I fix it?**

A10. Please refer these tips to solve this problem,

(1) Please check the module version

(a) To find the “RevB” mark on the mechanism.



(b) Read the module settings via RS-232 and Utility. If the firmware version is B.x (x is the version number)

If Users find the “RevB” mark and read the FW information B.x from the Utility. The module must be configure with the Utility of the RevB version. If not, please download the correct Utility version for the configurations.

(2) Please check the LED indicator. If the PWR LED is solid red, the Wi-Fi works fine.

Users can check the Modbus TCP connection when the Modbus transmission does not work. If the PWR LED is flashing quickly, there is an associate error about this Wi-Fi connection.

(3) The WF-2000 module supports IEEE 802.11 b/g and the RevB WF-2000 module supports IEEE 802.11 b/g/n. Users must check the Wi-Fi standard of the Wi-Fi AP.

(4) The WF-2000 supports WPA/WPA2/WEP. Please select the one of the encryptions. Do not set the AP in the “WPA/WPA2 Mixed”. Users can just disable the encryption for the test.

(5) Return to the factory default and configure again.