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iOS Module Program Manual

# Wi-Fi

Mobile Printer

Rev. 1.80b

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## 1. Wi-Fi Configuration in a iOS device.



1) Click Settings to setting Wi-Fi connection.



2) Click Wi-Fi Menu.



3) If Wi-Fi were Disabled (OFF), turn on the Wi-Fi option. Click the title to connect (Printer SSID or AP SSID), and then Click (>) Button.



4) There is two ways to connect wifi.

**4-A) Infrastructure connection. (With AP)**

You can see the setting configured by DHCP.

Connect is established.

Now, You can test the sample application with printer.

**4-B) Ad-Hoc connection. (Direct connection with the printer)**

Click Static button.



5) Set the values. (IP Address, Subnet Mask, Router (Same mean as Gateway) )

- IP Address : Same until 3rd Bytes in the Printer IP. (Example: 192.168.1.x )
- Subnet Mask : Same as the Printer. (Example : 255.255.255.0)
- Router : Same as the Printer. (Example: 192.168.1.1)

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## 2. Wi-Fi Configuration in a MAC OSX.

1) Click the Wi-Fi Network icon.



2) Click the title to connect (Printer SSID or AP SSID).

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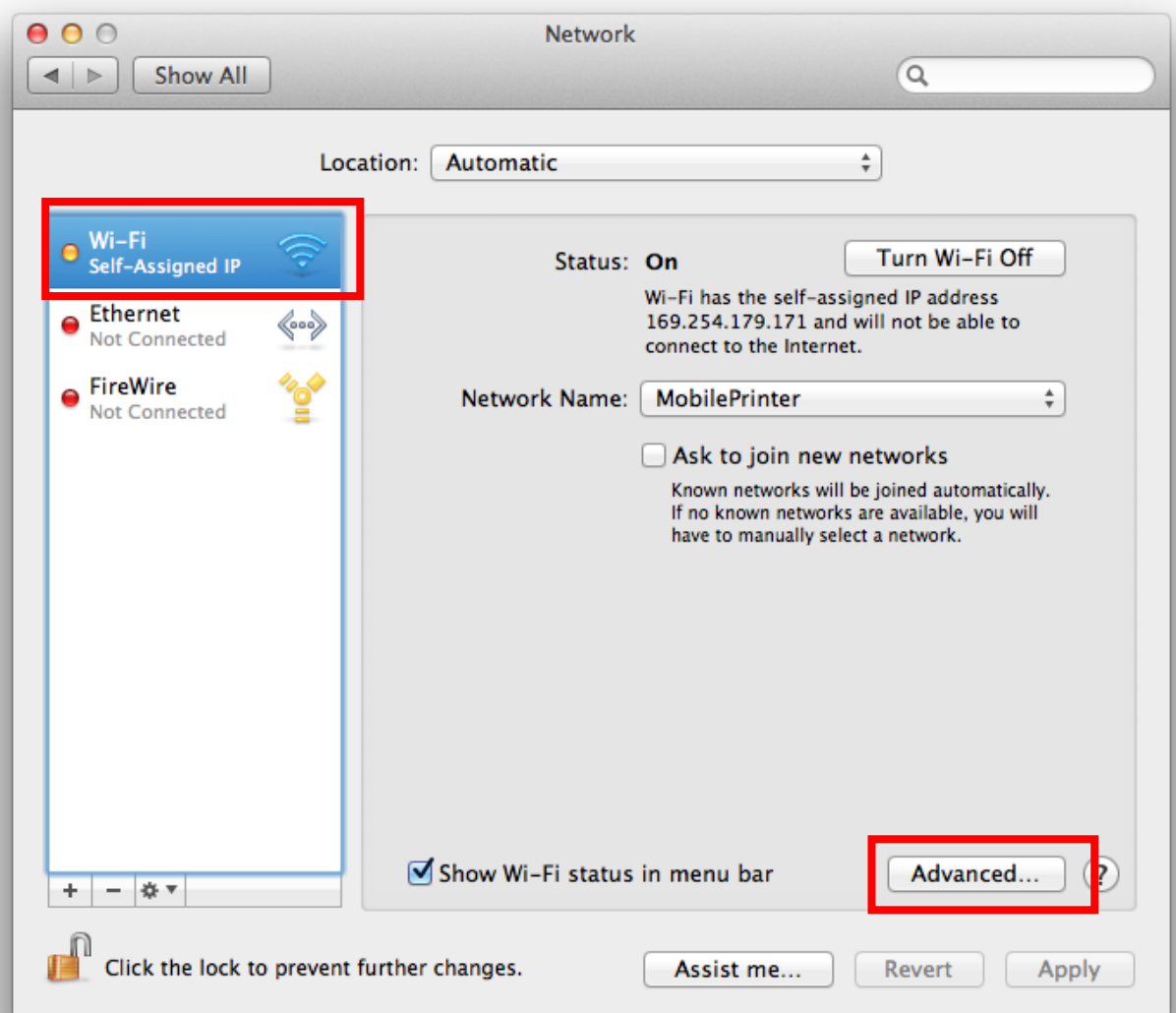
## 2-A) Infrastructure connection. (With AP)

You can see the setting configured by DHCP in Network Preferences Menu.  
Connect is established.

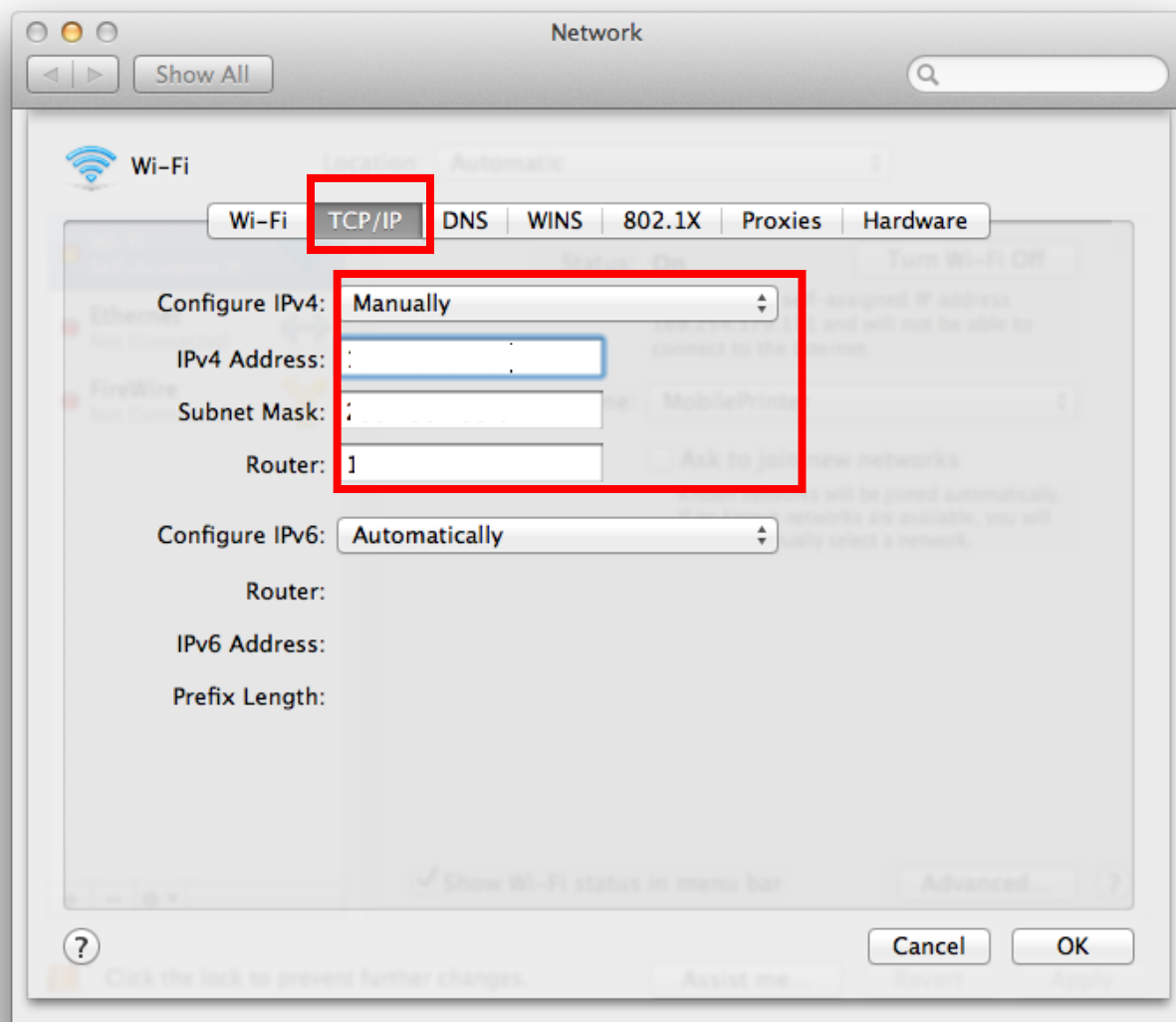
Now, You can test the sample application with printer.

## 2-B) Ad-Hoc connection. (Direct connection with the printer)

Click “Open Network Preferences...”



3) Select Wi-Fi and Click Advanced button.



4) Select TCP/IP Tab, and change “Configure IPv4” to “Manually”, and set the values in text box.

(IP Address, Subnet Mask, Router (Same mean as Gateway) )

- IP Address : Same until 3rd Bytes in the Printer IP. (Example: 192.168.1.x )
- Subnet Mask : Same as the Printer. (Example : 255.255.255.0)
- Router : Same as the Printer. (Example: 192.168.1.1)

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## 3. Wi-Fi POSPrinter search function.

### 3.1 findWiFiHostList [WiFi Interface card & POSPrinter Only]

This method used to find a WiFi-POSPrinter.

If you want to more deatil, please refer to the sample code.

- (NSArray \*) findWiFiHostList

[Return value]

NSArray of NSDictionary.

(Key value : "MAC", "IP", "NETMASK", "GATEWAY")

```
#import "POSPrinterFinder.h"

....
int index;

// Start searhing WiFi-POSPrinter.
POSPrinterFinder * finder = [[POSPrinterFinder alloc] init];
NSArray * array = [finder findWiFiHostList];
...
NSString * mac = [[array objectAtIndex:index] objectForKey:@"MAC"];
NSString * ip = [[array objectAtIndex:index] objectForKey:@"IP"];
NSString * netmask = [[array objectAtIndex:index] objectForKey:@"NETMASK"];
NSString * gateway = [[array objectAtIndex:index] objectForKey:@"GATEWAY"];
....
```