AirRouter setup for WAP using master DHCP server   mbs 7-13-2013
Wireless Access Point for notebooks, tablets, smart phones

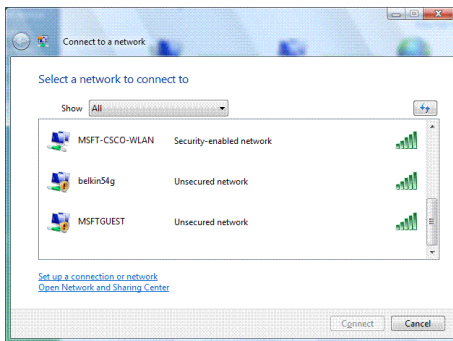## Connecting a Wireless Client to the AirRouter;

Windows

1. Go to *Connect to Network*.

--**Windows 7** Right-click on the *Network* icon.

--**Windows Vista** Go to **Start > Connect To**.

--**Windows XP** Right-click the *Wireless Network* icon in the *System Tray* (lower right corner of the screen) and then click **View Available Wireless Networks**.

2. Select the wireless network (SSID) **fmhii** and then click **Connect**.

3. Type the passphrase **XXXXXXXX** and click **OK** or **Connect**.

4. Launch your web browser to begin browsing the web.

Mac

1. Click the *AirPort* icon in the menu bar (top left side of the screen).

2. Select the wireless network (SSID) **fmhii**

3. Type the passphrase **XXXXXXXX** and click **OK**.

4. Once connected the *AirPort* icon will change from gray to solid black. The number of black lines indicates the signal strength. Launch your web browser to begin browsing the web.

Let's power on your iPhone and start here:
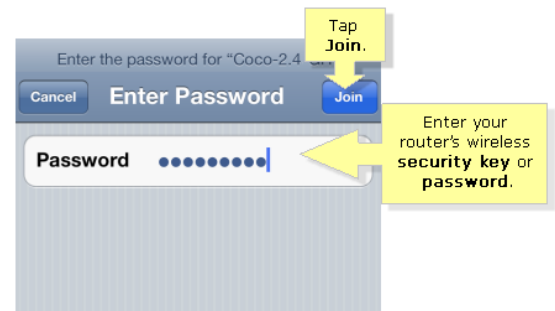
1)Tap Settings icon on Home screen of iPhone.

2) After that tap on Wi-Fi icon. too.
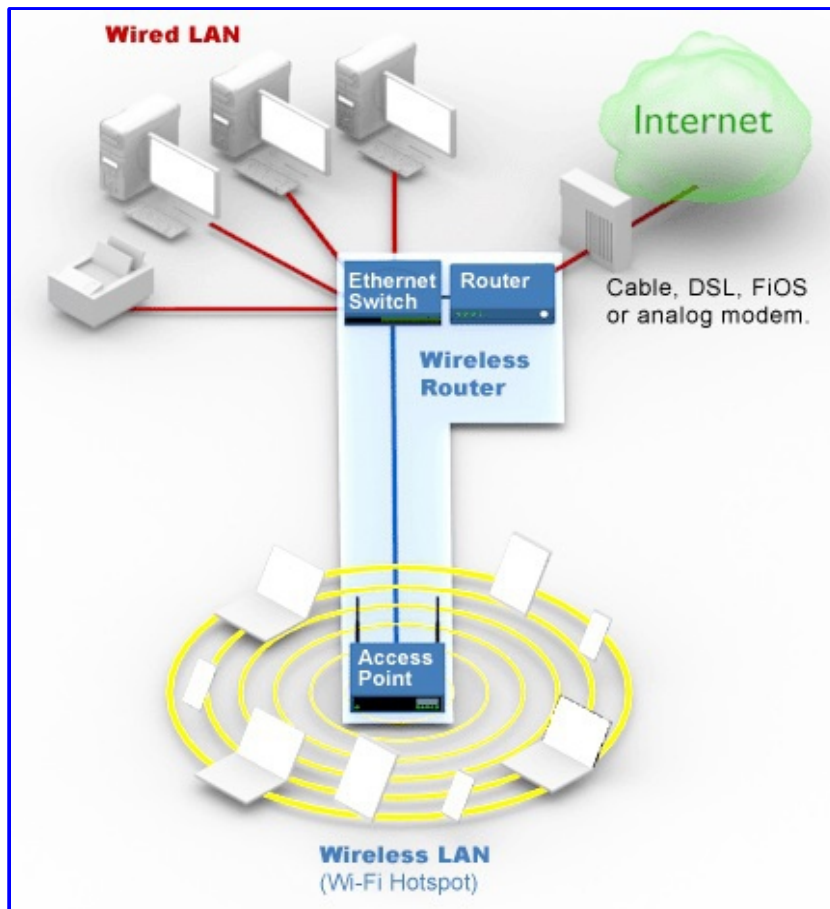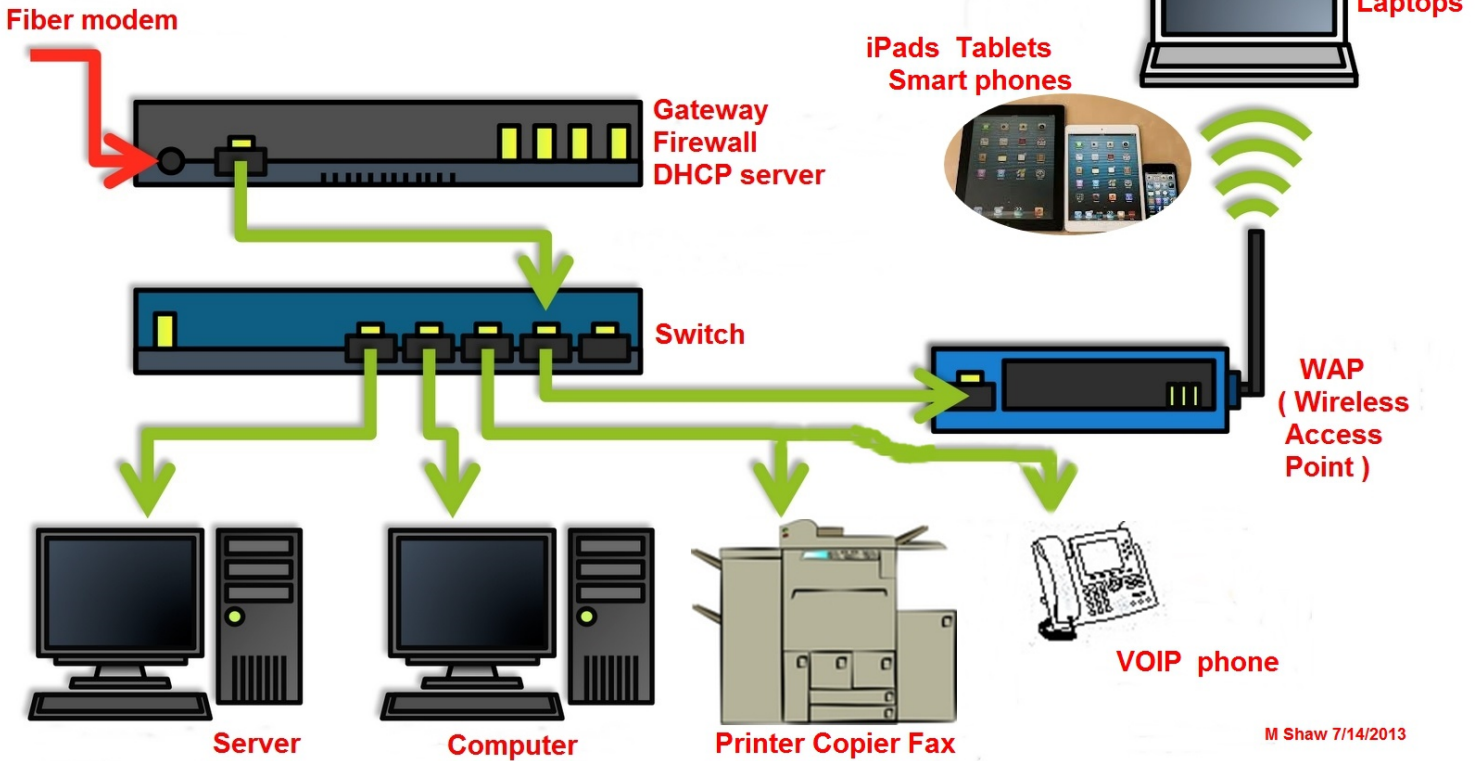
Note: Make sure the Wi-Fi feature of iPhone is ON

3) Proceed to select the wireless network

Wireless devices get IP address from DHCP server

Fiber modem

Gateway
Firewall
DHCP server

iPads Tablets
Smart phones

Laptops

Switch

WAP
(Wireless
Access
Point)

Server

Computer

Printer Copier Fax

VOIP phone

M Shaw 7/14/2013

Wired LAN

Internet

Ethernet
Switch | Router

Cable, DSL, FiOS
or analog modem.

**Wireless
Router**

Access
Point

Wireless LAN
(Wi-Fi Hotspot)

AirRouter setup:
DHCP from
Network Server

M. Shaw 7/14/2013

Initial Hardware Installation

To install the AirRouter,   *ping first: 192.168.1.20*   and / or perform the following steps:

1. Connect the power adapter to the port labeled **Power** on the AirRouter. Connect the other end to of the power adapter to a power outlet.

2. Connect an Ethernet cable to **Ethernet port 1.**
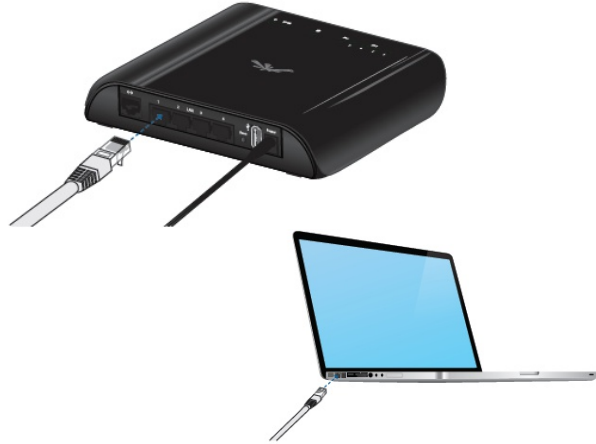
3. Connect the other end of the Ethernet cable to your computer.

4. Launch your Web browser and type **http://192.168.1.1** in the address field and press enter (PC) or return (Mac).

Note: Your computer needs to be on the 192.168.1.x subnet. If you have DHCP enabled on your Ethernet adapter, it should receive an address automatically. If not, you will need to set a static IP address in the 192.168.1.2 - 192.168.1.254 range.

5. The login screen will appear. Enter **ubnt** in the *Username* and *Password* fields and click **Login**.
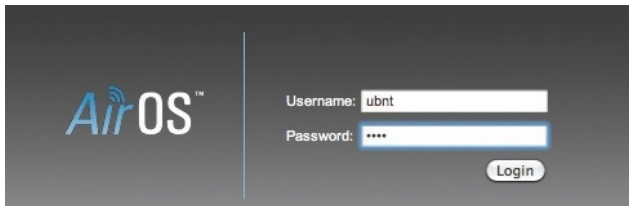
6. System Tab: check firmware is same as downloaded   or if not browse and update

Check ubnt.com and download the latest firmware. AirMax tab, scroll to the bottom of the page and click download software. Choose any airMax device as they all use the same software. Latest AirOS version on web   7-5-2013   XM-v5.5.6.build17762
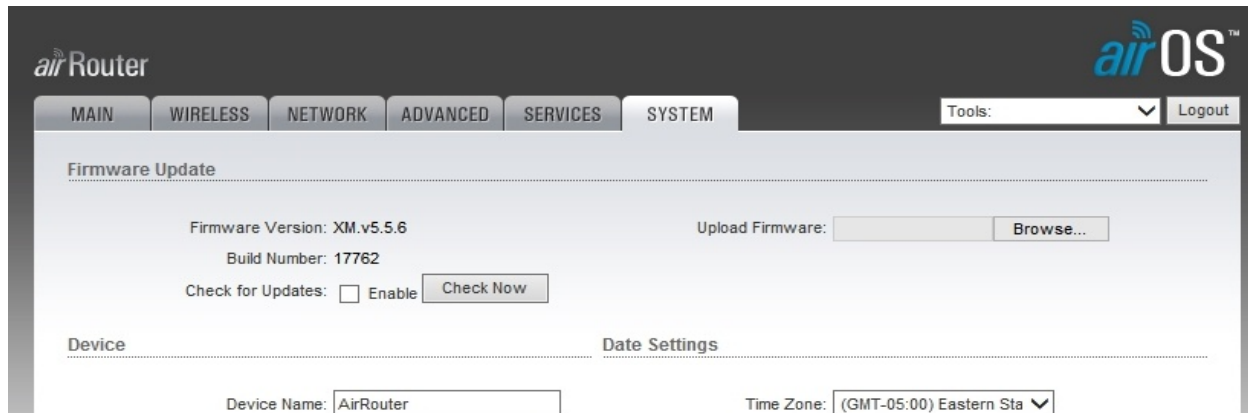
7. Wireless Tab: choose, Access Point
type in your ssid
Channel width: choose 20 Mhz
Security: choose   none   for now to get it working, verify all settings, and operation.

Hit Change button and apply - reboots in 10 seconds

8. Network Tab   if more Ubiquiti devices than change default
   192.168.1.20 to something else like 192.168.1.24
Network Mode: **Bridge**
Static   192.168.1.24   Netmask 255.255.255.0
Gateway 192.168.1.1   Primary DNS 192.168.1.1   Secondary DNS 192.168.1.1
   (or other appropiate addresses – check with network engineer if questions)
Hit Change button and apply - reboots in 10 seconds

AirRouter
Network Tab –
fmhii WAP

Wireless Tab with security example   uncheck the Show box with new password
Hit Change button and apply - reboots in 10 seconds

Advanced Tab

MAIN | WIRELESS | NETWORK | **ADVANCED** | SERVICES | SYSTEM

Tools: [▼] Logout

Advanced Wireless Settings

RTS Threshold: [?] 2346 ☑ Off

Distance: [?] [///────] 0.4 miles (0.6 km) ☐ Auto Adjust

Aggregation: [?] 32 Frames 50000 Bytes ☑ Enable

Multicast Data: [?] ☑ Allow All

Multicast Enhancement: [?] ☑ Enable

Installer EIRP Control: [?] ☐ Enable

Extra Reporting: [?] ☑ Enable

Client Isolation: [?] ☐ Enable

Sensitivity Threshold, dBm: [?] -96 ☑ Off

**AirRouter
Advanced Tab -
fmhii WAP**

Advanced Ethernet Settings

LAN0 Speed: [?] [Auto ▼]

LAN1 Speed: [?] [Auto ▼]

Change

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Services Tab

AirRouter Services Tab – fmhii WAP

Systems Tab

Firmware Update

Firmware Version: XM.v5.5.6   Upload Firmware: [   ] Browse...
Build Number: 17762
Check for Updates: ☐ Enable Check Now

Device

Device Name: AirRouter
Interface Language: English ▼

Date Settings

Time Zone: (GMT-05:00) Eastern Sta ▼
Startup Date: ☑ Enable
Startup Date: 07/11/2013

System Accounts

Administrator Username: ubnt 🔍
Read-Only Account: ☐ Enable

**AirRouter System
Tab - fmhii WAP**

Miscellaneous

Reset Button: [?] ☑ Enable
airMAX Technology Features: ☐ Enable

Location

Latitude: [   ]
Longitude: [   ]

Change

Device Maintenance

Reboot Device: Reboot...
Support Info: Download...

Configuration Management

Back Up Configuration: Download...
Upload Configuration: [   ] Browse...
Reset to Factory Defaults: Reset...

Systems Tab   Tools (pull down) Site Survey

AirRouter Tools - Site Survey - fmhii WAP

Main Tab

Main Tab

Main Tab   Monitor - Stations   double click station MAC for station information

AirRouter Main Tab -
Monitor - Stations - fmhii WAP

AirRouter Main Tab -
Monitor - Stations - double click station MAC fmhii WAP