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.

Sh	iow All	-	
<u>.</u>	MSFT-CSCO-WLAN	Security-enabled network	es.
S	belkin54g	Unsecured network	et.
S	MSFTGUEST	Unsecured network	a I

2. Select the wireless network (SSID) fmhii

and then click Connect.

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

Wi-Fi

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 **XXXXXXXXX** 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.

3) Proceed to select the wireless network

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Note: Make sure the Wi-Fi feature of iPhone is ON





AirRouter setup: DHCP from Network Server

M. Shaw 7/14/2013

AirRouter setup for WAP using master DHCP server mbs 7-13-2013

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

MAIN	WIRELESS	NETWORK	ADVANCED	SERVICES	SYSTEM		Tools:	✓ La
Firmwar	e Update							
	Firmware	Version: XM.v5	.5.6		Upload F	irmware:	Brows	se
	Build	Number: 17762						
	Check for l	Jpdates: Er	Check N	ow				
Device				Di	ate Settings			

AirRouter setup for WAP using master DHCP server mbs 7-13-2013 Page 4 of 13

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

← → Mttps://192.1 ▼ 😵 C 🕐 🔊 [AirRouter] - Wireless	× 🗎 🛧 🌣
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<i>air</i> Router	<i>all</i> US
MAIN WIRELESS NETWORK ADVANCED SERVICES SYSTEM	Tools: V Logout
Basic Wireless Settings	
Wireless Mode: Access Point	
WDS (Transparent Bridge Mode): Enable	
SSID: fmhii Hide SSID	
Country Code: United States	
IEEE 802.11 Mode: B/G/N mixed V	
Channel Width: [?] 20 MHz V	AirRouter Wireless Tab
Channel Shifting: [?] Disable	fmbii WAD w no
Frequency, MHz: Auto	- IIIIIII WAP W NO
Extension Channel: None	security setup
Frequency List, MHz: Enable	
Auto Adjust to EIRP Limit: V Enable	
Output Power:	
Max IX Rate, Mbps: MCS 7 - 65 V Automatic	
Wireless Security	
Society and	
RADIUS MAC Authentication: Enable	
MAC ACL: Enable	
	Change
	Change
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AirRouter setup for WAP using master DHCP server mbs 7-13-2013 Page 5 of 13

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 appropriate addresses – check with network engineer if questions)
Hit Change button and apply - reboots in 10 seconds

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air Router	JRK ADVANCED SERVICES	SYSTEM	Tools:	
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Network Mode	Bridge			
Disable Network	None			
Configuration Mode				
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Management Network Setting	gs			
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Wireless Tab with security example uncheck the Show box with new password Hit Change button and apply - reboots in 10 seconds

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Basic Wireless Settings			
Wireless Mode	Access Point		
WDS (Transparent Bridge Mode)	Enable		
SSID	fmhii Hide SSID		
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Channel Shifting:[?		Wireless Tab	
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Extension Chamien		WPA2 security	
Auto Adjust to EIRP Limit			
Output Power	20 dBm		
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Max TX Rate, Mbps	MCS 7 - 65 V Automatic		
Wireless Security			
Security	WPA2 V		
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MAC ACL	Enable		
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Advanced Tab

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MAIN WIRELESS NETWORK ADVANCED SERVICES SYSTEM	Tools: 🗸 Logout
Advanced Wireless Settings	
	Auto Adjust
Aggregation: [/] 32 Frames 50000 Bytes V Enable	
Multicast Enhancement: [?] V Enable	
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Extra Reporting: [?] 🗸 Enable	AirRouter
Client Isolation: [?] Enable	Advanced Tab -
Sensitivity Threshold, dBm: [?] -96	
Advanced Ethernet Settings	
LANO Speed: [?] Auto	
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Services Tab

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Ping Watchdog		SNMP Agent			
Ping Watchdog:	Enable		SNMP Agent:	Enable	- 11
IP Address To Ping:			SNMP Community:	public	
Ping Interval:	300 seconds		Contact:		
Startup Delay:	300 seconds	AirRouter	Location:		
Failure Count To Reboot:	3	Services Tal	-		
Save Support Info:		fmhii WAP			
Web Server		SSH Server			
Web Server:	✓ Enable		SSH Server:	✓ Enable	
Secure Connection (HTTPS):	✓ Enable		Server Port:	22	
Secure Server Port:	443	Pass	word Authentication:	✓ Enable	
Server Port:	80		Authorized Keys:	Edit	
Session Timeout:	15 minutes				
Telnet Server		NTP Client			
Talaat Saavar	C Enchlo		NTD Client:	E Eachla	
Server Port:	22 Enable		NTP Client.	Enable	1
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Systems Tab

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Firmware Update Firmware Version: Build Number: Check for Updates:	XM.v5.5.6 17762 Enable Check Now	Upload Firmware:	Browse	
Device		Date Settings		
Device Name: Interface Language: System Accounts	AirRouter English	Time Zone: Startup Date: Startup Date:	(GMT-05:00) Eastern Sta ✔ ✔ Enable 07/11/2013	
Administrator Username: Read-Only Account:	ubnt 🔄	AirRo Tab - f	uter System fmhii WAP	
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Tools (pull down) Site Survey

Systems Tab

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MAIN WIR	ELESS NETWO	RK ADVANCED	SERVICES	SYSTEM	Tools	3:	Logout
Firmware Updat	te						
Fi	rmware Version: X	M.v5.5.6		Upload Firmwa	ire:	Browse	
	Build Number: 1	(162	Marri				
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https://192.168.	1.24/survey.cgi	?mode=tool	Trans. Trans.	100	8	Certificate e	rror
Site Survey							
Scanned Frequencies: 2.412GHz 2.417GHz 2	.422GHz 2.427GHz	2.432GHz 2.437GHz	2.442GHz 2.447G	Hz 2.452GHz 2.457GHz 2.4	62GHz		
MAC Address	SSID	Device Name	Encryption	Signal / Noise, dBm	Frequency, GHz	Channel	
00:0F:66:75:61:50	MarkShaw		NONE	-70/-92	2.437	6	
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Main Tab

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MAIN WIRELESS N	ETWORK ADVANCED	SERVICES SYSTEM	Tools: V Logout
Status			
34443			
Device Name:	AirRouter	AP MAC:	DC:9F:DB:06:69:EC
Wireless Mode:	Access Point	Noise Floor:	-93.dBm
SSD:	fmhii	Transmit CCO:	100 %
Security:	none	Hanonik ook.	
Version:	v5.5.6	airMAX:	Disabled
Uptime:	00:32:26		
Date:	2013-07-12 12:47:52		
Channel/Frequency:	1/2412 MHz		
Channel Width:	20 MHz		
Distance:	0.4 miles (0.6 km)		
TX/RX Chains:	1X1	AirRouter Mair	n Tab - fmhii
WLAN0 MAC	DC:9F:DB:06:69:EC	WAD (Wireles	s Access Point)
LAN0 MAC	DC:9F:DB:07:69:EC	WAF (WITCHES	S Access Form
LAN1 MAC	DE:9F:DB:07:69:EC		
LAN0 / LAN1	100Mbps-Full / Unplugged		
Monitor			
	Throughput Stations	Interfaces ARP Table Bridge Table Rou	ites Log
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18		30	
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Main Tab



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