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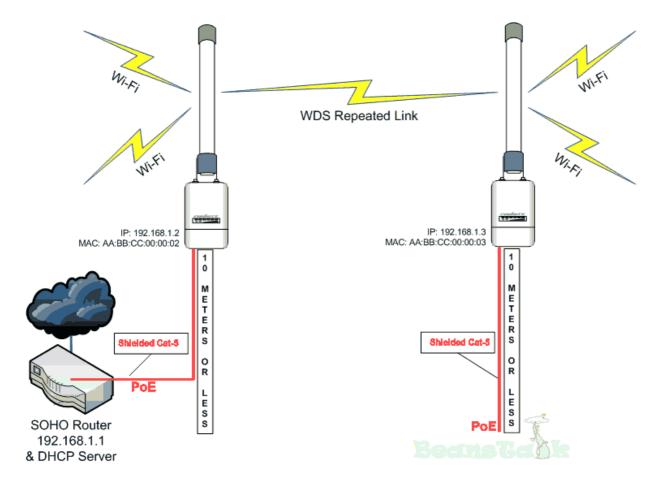- Random page
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BeansTalk Expanded Hot Spot WDS Repeater Access Point AP

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Create an expanded-area Wi-Fi Hotspot using M2 radios that is capable of supporting up to 50 (max) nearby, traditional Wi-Fi clients for each Access Point in the cluster.

Configuring an Expanded Area Wi-Fi Hot Spot

Accessing the Radio:

1. Restore your radio to FACTORY DEFAULT values. This is critical, especially if you are troubleshooting a problem.

2. Connect the radio to your computer using an Ethernet cable. The Ethernet port is auto-sensing. You are not required to use a cross-over cable.

3. Using a web browser, enter 192.168.1.20 as the "URL" to gain access to the radio's management console.

4. Enter "ubnt" as the administration account and "ubnt" as the password.

Configure the radio labeled as IP = 192.168.1.2 above:

A. Choose the |Wireless| tab, and change only:

- Wireless Mode: AP-Repeater
- WDS Peers: AA:BB:CC:00:00:03 (Example only. Use the actual MAC address of the OTHER radio)
- Channel Width: 20 MHz
- Frequency: Choose one from the list. NOTE: "Channel 1" = 2412, "Channel 6" = 2437, "Channel 11" = 2462
- Press [Change] button

B. Choose the |Network| tab, and change only:

- IP Address: 192.168.1.2
- Press [Change] Button

C. Choose |Ubiquiti Logo| tab

- AirMax: [ ] enable (UN-check)
- Press [Change] Button, Press [Apply] Button

DONE with this radio. Repeat 1-4 with the second radio, then continue below.

Configure the radio labeled as IP = 192.168.1.3 above:

D. Choose the |Wireless| tab, and change only:

- Wireless Mode: AP-Repeater
- WDS Peers: AA:BB:CC:00:00:02 (Example only. Use the actual MAC address of the OTHER radio)
- Channel Width: 20 MHz
- Frequency: Choose THE SAME frequency that you chose above.
- Press [Change] button

E. Choose the |Network| tab, and change only:

- IP Address: 192.168.1.3
- Press [Change] Button

F. Choose |Ubiquiti Logo| tab

- AirMax: [ ] enable (UN-check)
- Press [Change] Button, Press [Apply] Button

DONE

If using a Cable/DSL Modem:

G. Reboot or power cycle the Cable/DSL modem off and on before using this link.

DONE

NOTES:

1 - Secure your installation - modify the default administration account

-) Select |System| tab > System Accounts

-) Administrative Username [change it from 'ubnt']

-) Hover over icon to the right, "Change Password" and change it

-) Press [Change] button, press [Apply] button

2 - Secure your Wi-Fi from unauthorized use (unless you intend to run an open AP / Hot Spot)

-) Select |Wireless| Tab > Wireless Security

-) Security > WEP (this is the ONLY encryption available in this mode)

-) Preshared Key: [enter something long, but memorable to you]

-) Press [Change] button. Press [Apply] button.

Varieties of this Configuration

Five Access Points, One Layer of Repeating

IP: 192.168.1.3
MAC: AA:BB:CC:00:00:03

IP: 192.168.1.4
MAC: AA:BB:CC:00:00:04

IP: 192.168.1.2
Mac: AA:BB:CC:00:00:02

IP: 192.168.1.6
MAC: AA:BB:CC:00:00:06

IP: 192.168.1.5
MAC: AA:BB:CC:00:00:05