

Bullet M2HP setup instructions to use as long range WiFi device.

Most instructions apply to Bullet 2HP as well but as this uses different AirOS version, the menu's may differ.

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As shipped you will probably need to configure your PC LAN card to access the Bullet for initial setup.

Select Network Connections & right click on Local Area (LAN)Connection. Select Properties then highlight Internet Protocol TCP/IP (TCP/IPv4 if you are using Vista/Windows 7), which will be near the bottom of the connection items list, ensuring its ticked.

Select Properties & change as follows:

Select Use the following IP address

Enter IP address: 192.168.1.21

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.20

Select Use the following DNS server address

Enter Preferred DNS server: 192.168.1.20

Press OK, Press Close

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Hook up LAN cables to Bullet & PC with POE in between. Power up & look for at least one green LED on Bullet.

Enter 192.168.1.20 in your web browser window.

You should see log-on page. Enter ubnt for both username & password.

AirOS setup page should appear in Main tab.

First & most important check which firmware you are using. This is displayed after Version: in Status list. If you have Bullet M2HP & have AirOS v5.2 or lower, you need to upgrade firmware to at least v5.2.1. Earlier versions had serious flaws which won't allow your Bullet to work as you wish. In any case its a good idea to have the latest firmware release installed.

Go to this site: <http://www.ubnt.com/support/downloads>

Select your model & view latest AirOS version for your device.

If it is higher number version than present, download firmware & save to location of choice on PC.

Installing new firmware is painless:

Select System tab on Bullet setup menu.

At bottom of page under Device Maintenance select Update.

Press Choose button & browse to your firmware location

Press Upload

After successfull upload you will be invited to install the firmware

Its very important that the power is maintained to the Bullet during this process which includes a progress bar.

After successful upgrade Bullet will reboot & new firmware version will be displayed.

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Select Network tab & change settings as follows:

Set Network mode to Router - extra setting options will appear
In WLAN Network Settings select DHCP button

In LAN NETWORK settings enter:

IP Address: 192.168.10.20

Netmask: 255.255.255.0

Tick Enable NAT & Enable DHCP Server

Range Start: 192.168.10.100

Range End: 192.168.10.200

Press Change button which will bring up Apply dialogue - DON'T Apply yet.

Select Advanced tab

The only parameter you need to change here is Distance. Set it to 0.

Press Change button but NOT Apply.

Select Wireless tab & change Wireless mode to Station since we want to use Bullet to connect to WiFi access points (AP's).

Press Change & this time Apply as well.

At this point you may loose connection to Bullet on your browser as we have changed the menu access IP address.

On your PC go back to Network>LAN connection>Properties>Internet Protocol>Properties & select:

Obtain IP address automatically

Obtain DNS server address automatically

Press OK, Press Close

These are the default settings for LAN adaptor allowing it to be used elsewhere, but work in our situation now as we have enabled DHCP on Bullet.

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To access setup & select an AP to connect to type in new address: 192.168.10.20 on browser. Enter ubnt/ubnt to log in as before.

Select Wireless tab.

Press Select button to right of SSID box

A new window will appear

After a brief scan all compatible AP's will be displayed.

Clicking on Signal strength header will list them in order of signal strength. The lower the negative number showing dBm, the stronger the signal.

AP's without any security will display None.

Select button against AP you wish to connect to & press Select

Back on the Wireless page any security/encryption type should be detected & you can manually enter the key in WEP/WPA box bottom left.

Press Change, Press Apply

If key/security is correct or there is none, AP should now connect after a short wait.

On Main page the signal strength should show up as coloured bands matching LED's on Bullet. AP MAC address

should show top right.

Check you have Internet connectivity either on Windows taskbar icon or checking you can browse the net.