

Steps to Configure Your Ubiquiti Bullet

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These are the steps to configure the Ubiquiti Bullet. This configuration will establish a CPE Mode of operation that will be connected to a wireless router in the WAN port so wireless router can be connected to a wireless AP (like a RV park Wi-Fi).

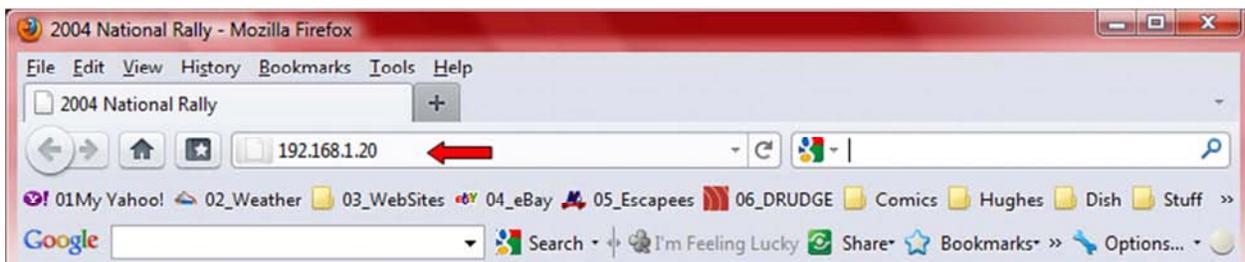
Assumptions:

The PC is directly connected with a CAT-5 cable to the CPE POE Power Injector.

The PC's IP address has been set to 192.168.1.21 as described in [Changing Your PC's IP Address](#).

Configuration Steps

1. Open a web browser like Internet Explorer or Firefox.

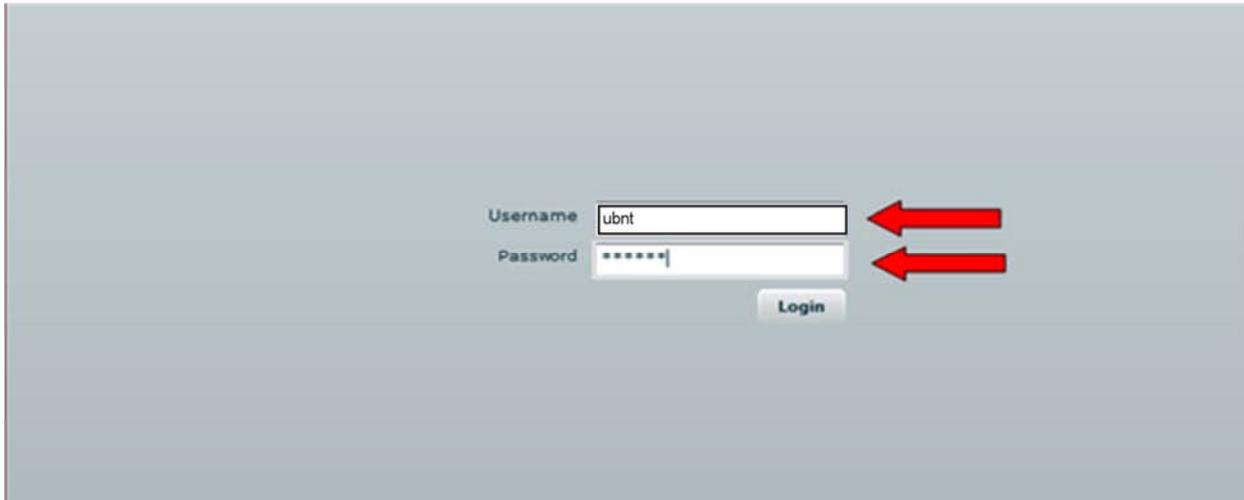


In the **URL Address field** of the browser, type **192.168.1.20**. This is the default address of the AP Firmware.

Hit the **Enter Key**.

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2. In the CPE firmware **LOGIN** screen:



The screenshot shows the login interface with the following elements:

- Username field:
- Password field:
- Login button:
- Two red arrows pointing to the Username and Password fields.

Enter ***ubnt*** in the **LOGIN** field and ***ubnt*** in the **PASSWORD** field. These are the default username and password,

Click the **Login** button.

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3. On the **Main** screen:

The screenshot shows the Ubiquiti AirOS NanoStation2 configuration interface, specifically the **Network** tab. The interface is divided into several sections:

- Base Station SSID:** UBNT
- Signal Strength:** -59 dBm (indicated by a red arrow pointing to the signal strength indicator)
- TX Rate:** 54 Mbps
- Frequency:** 2412 MHz
- Antenna:** Adaptive
- Security:** WEP
- Transmit CCQ:** 0.6%
- Uptime:** 00:00:55
- LAN Cable:** ON
- LAN MAC:** 00:15:6D:AA:40:1C
- WLAN MAC:** 00:15:6D:A9:40:1C
- Extra info:** ----
- AP MAC:** 00:18:84:14:26:B5
- RX Rate:** 54 Mbps
- Channel:** 1
- Noise Floor:** -95 dBm
- ACK Timeout:** 25
- QoS Status:** No QoS
- Date:** 2009-05-04 17:52:53
- Host Name:** UBNT
- LAN IP Address:** 192.168.1.20
- WLAN IP Address:** 192.168.1.20
- Tools:** ----

Below the configuration fields, there are three sections for statistics and errors:

- LAN STATISTICS**

	Bytes	Packets	Errors
Received:	154968	966	0
Transmitted:	196887	854	0
- WLAN STATISTICS**

	Bytes	Packets	Errors
Received:	4394	48	0
Transmitted:	19041	122	0
- WLAN ERRORS**

Rx Invalid NWID:	0	Tx Excessive Retries:	0
Rx Invalid Crypt:	0	Missed Beacons:	0
Rx Invalid Frag:	0	Other errors:	0

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Normally you will be taken to the **Main** tab screen.

Click on the **Network** tab.

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4. On the **Network** screen:



Click on the **Network Mode** ▼. Select **Router** from the pull-down menu.

In the **LAN NETWORK SETTINGS** section: Enter the **IP Address** you want for the Bullet. In this case **192.168.15.254** is entered.

nnn.nnn.15.nnn was chosen to be outside most Park Wi-Fi schemes.

Click the checkbox **Enable NAT:** and **Enable DHCP Server:**

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In the **Range Start:** field enter the start of the DHCP range for the LAN in this case ***192.168.15.100***.

In the **Range End:** field enter the end of the DHCP range for the LAN in this case ***192.168.15.200***.

In the **Network:** field enter the mask for the DHCP range for the LAN in this case ***255.255.255.0***

When all the changes are entered, click on the *Change* Button on the bottom of the page..

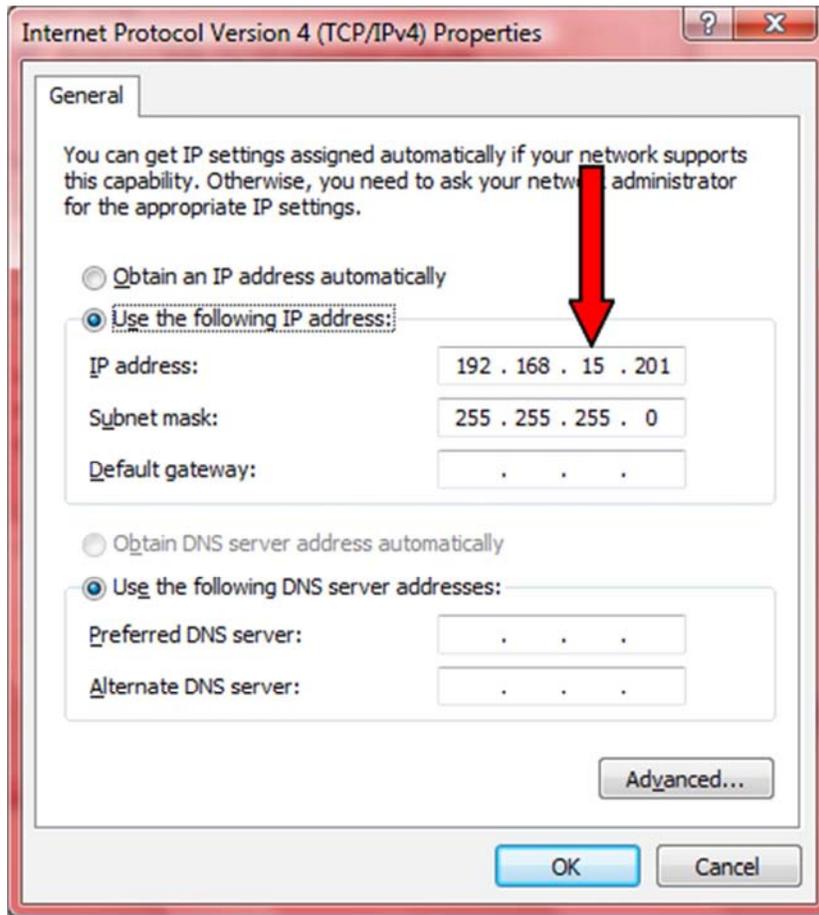
The top of the page will change and offer a button to apply the changes, click that button.

Since we have changed the IP Address of the Bullet, we may lose contact with the Bullet.

The PC's IP address has to be changed to ***192.168.15.201*** as described in [Changing Your PC's IP Address](#).

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5. In the **Internet Protocol Version 4** screen:



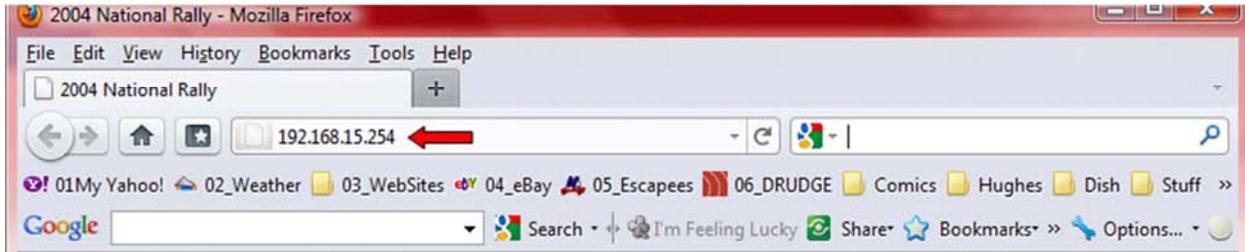
Change the third field in the IP address field to the same **nn** and was entered back in the CPE **Configuration – Network** screen;.

In this case, **nn** is **15**.

Click the **OK** button and the other **OK** and **Close** buttons related to change your PC's IP Address.

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6. Open a web browser like Internet Explorer or Firefox.



In the **URL Address field** of the browser, type **192.168.15.254**. This is the new address of the Bullet.

Hit the **Enter Key**.

Bookmark or add this "site" to favorites.

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2. In the CPE firmware **LOGIN** screen:



The screenshot shows the login interface with the following elements:

- Username field:
- Password field:
- Login button:
- Two red arrows pointing to the Username and Password fields.

Enter ***ubnt*** in the **LOGIN** field and ***ubnt*** in the **PASSWORD** field. These are the default username and password,

Click the **Login** button.

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7. On the **Main** screen:

The screenshot shows the Ubiquiti AirOS NanoStation2 configuration interface. The 'Main' tab is selected, displaying various configuration fields. The Base Station SSID is set to 'UBNT'. The Signal Strength is -59 dBm. The TX Rate is 54 Mbps and the RX Rate is 54 Mbps. The Frequency is 2412 MHz and the Channel is 1. The Antenna is set to Adaptive. The Security is WEP. The Transmit CCQ is 0.6%. The Uptime is 00:00:55. The LAN Cable is ON. The LAN MAC is 00:15:6D:AA:40:1C and the LAN IP Address is 192.168.1.20. The WLAN MAC is 00:15:6D:A9:40:1C and the WLAN IP Address is 192.168.1.20. The AP MAC is 00:18:84:14:26:B5. The Noise Floor is -95 dBm. The ACK Timeout is 25. The QoS Status is No QoS. The Date is 2009-05-04 17:52:53. The Host Name is UBNT. The Tools field is empty. A Refresh button is located at the bottom right of the configuration section.

LAN STATISTICS

	Bytes	Packets	Errors
Received:	154968	966	0
Transmitted:	196887	854	0

WLAN STATISTICS

	Bytes	Packets	Errors
Received:	4394	48	0
Transmitted:	19041	122	0

WLAN ERRORS

Rx Invalid NWID:	0	Tx Excessive Retries:	0
Rx Invalid Crypt:	0	Missed Beacons:	0
Rx Invalid Frag:	0	Other errors:	0

A Refresh button is located at the bottom right of the error statistics section.

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The Bullet is ready to be used.