Unboxing PowerBeam/Nanobeam Gen2 for mtnbeam.com



Hose camp mounting or 3.5" wood screw mounting options:





Connect power using Ethernet cable as shown:



Use Main PoE + Data Port on antenna

Other end plugs into Red PoE port on Power Inserter

Plug in Power inserter, White LED on inserter turn on, Blue LEDs on Antenna turn on:



IF you have already installed AN APP on your phone, please UNINSTALL it.

The Ubiquiti APP is worse than the webpage and doesn't work.

Quick Setup of Powerbeam or Nanobeam Gen2 for mtnbeam.com

- 1. Mount antenna and point in the general direction of Tower using eyes.
- 3. Visit <u>http://192.168.172.1</u> in web browser
- **Proceed by accepting Self-Signed Certificate** (firefox shown below)



Click advance, then click Accept

- Select United States

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| | | U | NanoBeam 5AC Gen2 | _ | |
| | | | | | |
| | | | Please Set Up Your Device | | |
| | | | DEVICE COUNTRY | | |
| | | | United States 🗸 | | |
| | | | LANGUAGE | | |
| | | | English | | |
| | | | TERMS OF USE | | |
| | | | This Ubiquiti Networks, Inc. radio device must be professionally installed. Properly installed shielded Ethernet cable and earth grounding must be used as conditions of product warranty. It is the installer's responsibility to follow local country regulations including operation within legal frequency channels, output power and Dynamic Frequency | | |
| | | | Selection (DFS) requirements. You are responsible for keeping the unit working according to these rules. | | |
| | | | ✓ I agree to the Ubiquiti TERMS OF USE, EULA and PRIVACY POLICY | | |
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- Set username/password to ubnt/Default123!

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| | NanoBeam 5AC Gen2 Create Your Username and Password croose your usersware ubre croose Astronce Massyore croose Astronce Massyore Default123! Astronce Default123! | |
| | EXECT SAVE EXECT | |
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Now the device is initialized and first webpage is Dashboard and menu is on the LEFT (mobile and Webpage)

- On the left menu click "Network" or type <u>https://192.168.172.1/#network</u>

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| U airOS'8 NANOSEAM SAC GEN2 I W | AYE7.0 | | - UN | MS 🖸 |
| © © | Network Role | Bridge 🔽 | Warning Anargement radio is enabled and will be active for 28 incode, allow more Others Detailst FEMPORARY DISABLE FO | X 7 minutes, REVER |
| ∷ © | Configuration Mode | Simple v | | |
| | Management Network Settings | | | |
| | MANAGEMENT IP ADDRESS DHCP FALLBACK IP DHCP FALLBACK NETMASK | DHCP STATIC STP 192.168.1.0 MANAGEMENT VLAN 255.255.25.0 VLAN ID | OFF 2222 | |
| | мти | 1500 AUTO IP ALIASING DHCP OPTION 82 | orr orr | |
| | Traffic Shaping | 1946 | CPT | |
| | | | | |
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| | | | | |
| | | | | |
| https://192.168.172.1/#network | | TEST CHANGES REVERT CHANGES SAVE CHANGES | | |

- 1. For Management Network Settings Change the Management IP Address from STATIC to DHCP
- 2. Turn Management VLAN to "ON" and enter 2222 for VLAN ID
- 3. Now Click "SAVE CHANGES"

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| #1058 ······ 820% | 6 | | | | | | | | - UNIS |
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| | BF ENVIRONMENT | | | | 5500 MAG | | | | |
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On the left menu now click "Wireless" or type https://192.168.172.1/#wireless

In Wireless Settings under the SSID box that says ubnt click the "SELECT" button

| ACCESS POINT | OFF COUNT | Y United States V | |
|---|---|-------------------|------|
| PTP MODE | OFF | A 400 - 25 dBi ∨ | |
| CHANNEL WIDTH | 20/40 MHz V ANTENNA GA | N 25 dBi | |
| CONTROL FREQUENCY SCAN LIST, MHz | OFF OUTPUT POWE | R : | 24 0 |
| SSID | ubnt AUTO ADJUST DISTANC | E ON | |
| | SELECT DISTANCE | ?] | 0.4 |
| LOCK TO AP MAC | | | |
| Secondary SSID | | | |
| | | | |
| Signal LED Thresholds | | | |
| Signal LED Thresholds THRESHOLDS, dBm: [?] | LED0 LED1 LED2 LED3 | | |
| Signal LED Thresholds THRESHOLDS, dBm: [?] | LED0 LED1 LED2 LED3 - 94 - 80 - 73 - 65 | | |

In Site Survey Box, click scan, wait, and highlight mtnbeam-## then click SELECT:

| SITE SURVEY | | | | | | | | \times |
|-------------------------------------|--------------------|-----------------------------|--|--|-----------------------------------|--------------------|----------------|-------------|
| Scanned Frequencies > | | | | | | | | |
| Graphical View \vee | | | | | | | | |
| | | | | | | | -6 -8 -1 | 5ignal, dBm |
| 5,200 5,250 | 5,300 | 5,350 5,400 | 5,450 5,500 | 5,550 5,60 | 00 5,650 | 5,700 5,7 | 750 5,800 | |
| Selectable SSIDs must be visible, I | ave compatible cha | nnel bandwidth and security | settings, and must be com | patible with airMAX® A | AC technology. | | | |
| | | | | | | | Search | Q, |
| MAC ADDRESS | SSID | DEVICE NAME | E RADIO N | IODE EN | NCRYPTION | SIGNAL/NOISE, dBm | ↑ FREQUENCY, | GHz |
| 24:5A:4C:06:2F:69 | mtnbeam-75 | mtnbeam-75 | airMAX | AC W | /PA2 | -60/-87 | 5.525 | |
| B4:FB:E4:5A:EA:76 | mtnbeam-42 | mtnbeam-42 | airMAX | AC W | /PA2 | -63/-87 | 5.505 | |
| E0:63:DA:62:82:7D | mtnbeam-37 | mtnbeam-37 | airMAX | AC W | /PA2 | -83/-86 | 5.315 | |
| 24:5A:4C:06:2E:1E | mtnbeam-40 | mtnbeam-40 | airMAX | AC W | /PA2 | -85/-88 | 5.57 | |
| 24:5A:4C:06:2E:4A | mtnbeam-73 | mtnbeam-73 | airMAX | AC W | /PA2 | -86/-88 | 5.165 | |
| F4:92:BF:BC:E8:1C | mtnbeam-72 | mtnbeam-72 | airMAX | AC W | /PA2 | -88/-88 | 5.625 | |
| B4:FB:E4:5C:CE:3D | mtnbeam-43 | mtnbeam-43 | airMAX | AC W | VPA2 | -88/-92 | 5.7 | |
| SHOW ALL ENTRIES | | cli tra | ck the clum ansmitters s *** -60 i | n to get the orted best t is the stron | e arrow u to worse gest *** | ир • Соск то ар | SELECT S | CAN |

Now SSID says mtnbeam-XX, Under Wireless Security click Enterprise, for initial contact use WPA2 Username *new* and WPA2 Password *new*. Then Click SAVE CHANGES at bottom.

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| | Basic Wireless Settings ACCESS FORT OF COUNTRY United States F79 MODE OF ANTENIA GAIN 13 GE CHANNEL WIDH 20/40 O OUTPUT FORES The States OF 25 GE | Working X Management radio is insubled and will be active for 2 minutes, 34 seconds show more DIMMOS DIABLE YOMPORATION DIABLE YOREVER |
| © | AUROARATIONINE OF A RELATION O | |
| | | |
| | Secondary SSID Signal LED Thresholds THRESHOLDS, effer, [7] LED LED LED 1 44 - 90 - 73 | |
| | AMPOUT | |
| | DATA BATE MODULE Default C | v |

If is ALSO sometimes necessary to turn OFF The three boxes under advance and turn UP the transmit power to maximum:

Calculate EIRP Limit, Sensitivity Threshold, and Automatic Power Control CAN all be OFF

Go back to the Main page http://192.168.172.1/, or clicking the Refresh...



Not Connected

Connected

Antenna pointing is now able to be fine-tuned using the Tools \rightarrow Alignment Antenna setup complete.

Plug factory Reset Router into other port of Power inserter

http://mtnbeam.com should be accessible to pay for service now

https://account.mtnbeam.com/dash/forgotpassword to create a password.

http://www.mtnbeam.com/contact for help